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Rev. 07/10/02

1673 1

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.		
	REPORT NO.	060	
PROJECT	DATE	01 December, 99	
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.		
CONTRACTOR	WEATHER	Cloudy, Temp. 55°F	
O'Brien Gere			
CQC Inspection phases attended and instruction given: 1) Downgradient Alluvial Aquifer Sampling: AA-GHL-S1(92-96),(102-106) and AA-GHL-S2(82-86) 2) Fill area waste sampling: Waste-N-B2 completed at 16 feet Begin Waste-N-B3			

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

Has anything developed on the work, which might lead to a change order or \underline{NO} YES finding of fact?

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has denied access to Solutia for any future work.

Information, instructions or actions taken not	c covered on	QCR report or disag	;reement:	
1) Charles Debroski (Weston) Produced a docur (see attached)	nent regardi	ng the crawfish vs.	shrimp issue	
SAFETY: (Include any infractions of approved a From Government personnel. Specify corrective			nstructions	
1; None				
REMARKS: (Include visitors to project and misc	cellaneous r	emarks pertinent to	work.)	
Michael McAteer here for a brief visit be	fore heading	to Chicago.		
inspectors's signiture	DATE	SUPERVISOR'S INITIALS	DATE	
	12-01-99			

Kemper, Erik

From:

Gouger, Timothy P NWO [Timothy.P.Gouger@nwo02.usace.army.mil]

Sent:

Wednesday, December 01, 1999 10:41 AM

To: Subject:

kempere@mail.rfweston.com FW: Crayfish issue at Solutia

----Original Message----

From: Dobroski, Charles J. [SMTP:DOBROSKC@mail.rfweston.com]

Cc: Brodman, Steven
Subject: Crayfish issue at Solutia

Tim - as a follow-up to our telephone call last Monday (15 Nov): Based on my discussions with Steve Brodman (WESTON), I understand that the work plan for the sampling of biological tissue included the collection of crayfish from potentially affected waterbodies on the site. As I understand it, data from this collection are to be used to support a dietary exposure model(s) in the ecological risk assessment. Further, I understand that crayfish collection was not possible due to the absence of crayfish from these waters (I assume that the sampling methods were appropriate). Similarly, crayfish were also absent from the reference waterbody(ies). Assuming that the reference areas are similar to the potentially impacted areas in all characteristics other than contaminant loading (i.e. hydrology. general water chemistry, sediment characteristics, nutrient loading, et al.), the absence of crayfish in both waterbodies suggests a cause that may be due, in large part, to conditions other than chemical contamination. (Note that this does not necessarily exclude chemical contamination as playing some contributing role). Nevertheless, the absence of crayfish at the reference location suggests the lack of some habitat requirement for crayfish that would also hold true for the "affected" waterbodies with similar habitat characteristics.

As a consequence, the use of crayfish as a prey species for the target receptors using these waterbodies as foraging habitat is probably inappropriate provided that their absence was not a seasonal phenomenon, i.e. could crayfish utilize these waters under higher flow conditions, say in spring?

I understand that the collection of freshwater shrimp is being used to satisfy the forage base of the dietary model. The use of these data should be ok provided that the shrimp represent a significant prey item in the target receptor's diet. I would suggest that Solutia provide information to that effect. It is also important to understand the significance of shrimp relative to the trophic transfer of COPCs in those waterbodies. A less significant prey species with a higher bioaccumulation potential could possibly result in a greater exposure and consequent risk.

Please let me know if I can be of further assistance,

Charles J. Dobroski, Jr Life Systems Department Roy F. Weston, Inc. 610-701-7216

dobroskc@mail.rfweston.com <mailto:dobroskc@mail.rfweston.com>

DAILY WORK LOG

DATE 01 DEC 99 PROJECT NAME Soluting - Sauget Area/ PROJECT LOCATION SIEN + W. of G WEATHER Clear TEMPERATURE ~55% PRECIPITATION None NUMBER OF HOURS WORKED 6 2 NUMBER OF EMPLOYEES 6 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN) 2. INSTRUCTIONS RECEIVED FROM SOLUTIA 3. INSTRUCTIONS RECEIVED FROM USEPA 4. DEVIATIONS 5. VISITORS (NAMES & TITLES) 6. EQUIPMENT LUNCH MEETING COMMENTS: UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.) REMARKS:) Coilect around water semples AA -CHL-SI-(97-96) FT & (107-100) FT L(107-100) FT-MS, (10-106) FT-11151) LAIGO 46) FT-FD · AA -6-HL-50-(52-86) FT COMP-MS/MSD (WIASTE-N-B3-64) & G-41) FD & B3-UM 1104 11.11 nous. 11826-2 PID'S 2 4065, INEFERS, 2-RAIN METERS, 12H/T/C, 1-Turbid HY 70 ileno. 5. 12ans

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST

Work Forecast for the day week: 2706	C49 Date: 01 DEZ 4 9
Project Name: Solutia - Sanget Ate	Project Location: S. RN + W. of G
Company Name: OBrien +Gere	
1. List Work Items and Locations Sched	uled for Next Day/Week:
· Continue Woste Loring	s at Site N
· Continue down grad.	Muriage samp Mr W. of Site G
	-
- Invento 18 18 10/1/99	(Q 1917)
	DEThursdork DOSANES 101 DEC99

If ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Name/Signature/Date of Preparer

WORK FORECAST

Work Forecast for the day week: 06 DEC 99 Date: 01 DEC 99
Project Name: Solutia - Sanget Seal Project Location: Sanget Catalia
Company Name: O Brien + Gore
1. List Work Items and Locations Scheduled for Next Day/Week:
Size and begin on Ste I
· Begin slug testing in fill areas
· Bogin creek sediment sampling (potential)
SURMITED TO LASTON OF DEZGO C 1615
DE Hawding DE James 101 DE 99

II ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

SAFETY MEETING FORM (Down gradient alluvial aguifer sampling)
DATE Of Dec 99 CONDUCTED BY I COMPANY: DE Haverdink 10 Brien + Care W. of G PROJECT NAME Solutia - Sauget Area / PROJECT LOCATION WEATHER Clear PRECIPITATION <u>hove</u> TEMPERATURE - 30 % NUMBER OF HOURS WORKED ___ NUMBER OF EMPLOYEES SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: COMMENTS: bungledient alluvial agusfer semplin (generally applicable - not instelling wells) OCs, combustible gases, Splashing of water, electric slips/ temps/ falls, noise, contact w/istitant plants FPE is modified level D with air monitoring in breathing zone using respirator on hand is upgrade to level C is necessary. PID+CGM: Secregate wastes and document appropriately on waste tracking loo: support relicles only: drive with caution around field office by Hakors Paperty prior to marka ATTENDANCE: EMPLOYEE NAME (print) COMPANY EMPLOYEE SIGNATURE 1.tm ALDKIA P.D. SURMITED TO WESTON OF DEC99 Q 1615 DE Havesdink | DE Havesdook PRINTED NAME / SIGNATURE OF PREPARER

a 1bc 99

ENSTRUCTISEDIVISIONADMINI PPRSAFLOG WPD

IF ADDITIONAL SPACE IS REQUIRED. RECORD ON REVERSE SIDE

SAFETY MEETING FORM (WASTE BORWGS)

_	(WAS 18 Z	-	DATE <u>Ol Dec 99</u>
CONDUCTED BY / COMPANY : 💆	E Haverdink 10	Brion + Gue	
PROJECT NAME Solution - Sa	uget Area 1	PROJECT LOCATION	ON <u>Site N</u>
WEATHER Clear	PRECIPITA	TION MONE	TEMPERATURE ~30°F
NUMBER OF HOURS WORKED	NA	NUMBER OF EMPL	OYEES NA
SCHEDULED WORK: REFERENCES TO APPROPE HEALTH AND SAFETY ISSU SPECIFIC HEALTH AND SAFETY ISSU COMMENTS:	IES WITH SCHEDUL	ED WORK:	
O Wask borning & Q			
D FSP # 53;	HASP + 2.4		
- Splasking at impact	ed liquid from	The borney or duri	s, pressurized lines, noise, upparted dust or vapors; ing decon; slips/trips/fells ing with PID, 4-gas, and RAM; resp. cartridges are OV/POX
in + out on the ri	s only autifal	e care fully aroun	; segregate wastes; sign
EMPLOYEE NAME (print)	EMPLOYEE S	SIGNATURE	COMPANY
KenLAKFOLTY	/en	A The second	MAURRICK
Jimmy bues		X	CAHOKIA P.D.
Rantuans	1	77	Laune
Dale Mahuri-	Dalikith	Must -	Lay Ne Crosteri Co.
Tany Finest	my of	A CO	56/. Fler 086
Suti	MITTED TO LESTON	1 01 DEC 99 @ 161	3
IF ADDITIONAL SPACE IS RE RECORD ON REVERSE		DE Haverdink / PRINTED NAM	SE Home Sal E / SIGNATURE OF PREPARER
		OI De	
			DATE

Solutia Inc. Sauget Area 1 (Please Print) 1-414 Love -Ensompling

Date	Name	Organization	Phone #	Time In	Time Out
12-1-99	Jimmy JONES	CAMOKIA POUCE DOPT.	337-9505	755	1700
12/199	Dave Haverdink	ORG		0855	0905
12-1-99	Tim: Tedesco	OB6		0855	0905
12-1-99	Heal HETE TTO	MAUSTRICK		1030	1130
12-1-99	N 10 61 10'	69 48 44 44 44		1230	1347
12.01.99	Dave Harodat	086		1305	1430
12.01.99	Kuberty Perry	Solitia		1305	1353
12.01.99	Ray Adding a	Milkerick		1430	1512
	Dave Hansdin E	0.06		1525	1538
			1		

Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time In	Time Out
12/1/9	1 um Donly Pon	50/c+ Pa	314-674-5402	0635	1701
12/1199	Bill Wash +	6,36	314-412-4550		1930
121 99	Limmy Johies	CAHOKIA POLICE DEPT	618 337-9505	0627	1700)
12/1/94	PANENT	0156	502561-3414		1930
12/1/99		URE	314 842-4555	0655	1910
12-1-99	COLIN WRICENKAMI	Oib G	34 (42-4550	0700	ON PIRO
12.1.99	Kalmerery	MANERICIE		0'700	1800
12-01-99	Dave Haveldink	006	34 780 6435	0700	1645
12-01-79	Dale Mahur.	Layne wastern (0.	34-343-3700	0700	1730
12-61-99		LUYNO WISHIN (O	, (0700	1730
12/1/29	Range Brayer	I.f.	6/5 244 7900	WILC	1500
12/1/99	Dan Louret	T. F'S	618 74H 79 00	07:10	1500
12-1-99	Tin Tedeson	K'F CLASTON		3:00	1630
12-1-19		086	314-280-6432		0 830
12-1-97	Mike M'Atcer	11.S. EPA	312/886-4665	745	1000
			/		
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4					

	8	6	LE HE	SS P	
	MR No Alex	concert be con con S. to	was a	AA-GH	De l
•		on S.k. U Smost of the fill appars to be construction debis - wood, brick	was confelled to	AA-GHL-SZ 82-86 fred	
	Stopped by by	debi 5 - wo	Site A	7 + 8	
	before leaving	al grais	where they	120 100 Ced	
		P			

111111111111111111111111111111111111111		LL BE ATTACHED TO OR FILED WITH THE QAR.		
	REPORT NO.	061		
PROJECT	DATE	02 December, 99		
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.			
CONTRACTOR	WEATHER	Cloudy, Temp. 60°F		
O'Brien Gere				
CQC Inspection phases attended and instruc	tion given:			
1) Downgradient Alluvial Aquifer Sampling: 2) Fill area waste sampling: Waste-N-B4 co		111) and AA-GHL-S2(92-96),(99-103)		
,				
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.				
1) Alluvial Aquifer sampling is taking a long NTU's as required in the FSP so purging samples can be taken.				

Verbal instruction given to contractor: (Include names, reactions and remarks)

Has anything developed on the work, which might lead to a change order or

2) Rogers Cartage has denied access to Solutia for any future work.

Information on progress of work, causes for delays and extent of delays, weather, plant,

several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access

1) Extending beyond the site boundaries for soil gas survey poses access issues with

YES

ИО

1) None

finding of fact?

material, etc.

from the appropriate parties.

Information, instructions or actions taken not 1) None	covered on	QCR report or disagree	ement:
SAFETY: (Include any infractions of approved s From Government personnel. Specify corrective			ructions
1) None			
REMARKS: (Include visitors to project and misc	ellaneous re	emarks pertinent to wor	·k.)
Progress report with Tim an Mike (see attac	hed)		
INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	12-02-99		

•

Issues at Sauget Area 1 December 02, 1999

- Finished creek transect soil sampling at all 7 areas
- 3 of nine downgradient alluvial aquifer samples finished
- Moved the three sample locations near EE-05 North 100 ft. because of access issues
- Waste Boring will continue begin at site N the 29th or 30th
- Have asked Solutia to get me all data for Soil Gas Survey, Mag Survey, Boring Logs, And Development Logs.
- Holiday work Schedule

Tasks Not Completed

	FSP section	# Samples
1. Boundary Trenching Sites G, N	5.1	###
2. Soil Gas Survey Sites H, I	5.2	###
3. Buried Drum And Tank I.D.	5.5	4
4. GPR Site I	NA	1
5. Ground Water Sampling	5.8, 5.9, 5.10, 5.1	6 75
6. Slug Tests	5.14	15
7. Developed Area Soil Sampling	5.18	44
8. Background Soil Sampling	5.19	6
9. Dead Creek Sediment Sampling	5.20	150
10. Pilot Test Sampling	5.23	###

DAILY WORK LOG

			DATE 12/2/99	
PROJECT NAME Salutia-Sauge + A	ceal PR	OJECT LOCATION	SieN, W. A. F.	H, L
WEATHER CHALLY, GAR	PRECIPITATION	Mone	_ TEMPERATURE	610/
NUMBER OF HOURS WORKED	<u> </u>	MBER OF EMPLOYEE	s <u>5</u>	
1. ITEMS WORKED ON (ITEM NO., DESC 2. INSTRUCTIONS RECEIVED FROM SO 3. INSTRUCTIONS RECEIVED FROM US 4. DEVIATIONS 5. VISITORS (NAMES & TITLES) 6. EQUIPMENT 7. LUNCH MEETING COMMENTS: 8. UNUSUAL EVENTS (FIRE, FLOOD, ST 9. REMARKS: 1.) Collected Soil Sangles waste B4 - ES Comp - ES Collected alluval agailer soil (Dioxic) & G296) FT & G2 2.) Name	ORM, LABOR DIS - N-BY-(0,5) B-4-0,5	PUTES, ETC.) FT & (0.15)=T)-1	-D & B4 Comp ; A4-G41-52-(1	2246)67
5.) sone				
6.) 2 PID: 2-KAM: 2-45.	95; 2 Hydec	, 2 Turbidity		
7.) sone				
8.) none				
9.) vone				
Siven to sefecto	n 12/27	99 1805		
IF ADDITIONAL SPACE IS REQUIRED RECORD ON REVERSE SIDE	. Willia	ME Wight HALL	Men E. Must TURE OF PREPARER	DATE

WORK FORECAST

Work Forecast for the day week: 3 Au 99 Date: 02 Dea 99
Project Name: Solution Sauget Aroa/ Project Location: Site NSWAF, Gerro Co
Company Name: O'Brien & Gene Engineers
1. List Work Items and Locations Scheduled for Next Day/Week:
west of att depositent upon weather conditions
· collect grain size analysis samples at site ""
7
Liven to Afector 12/2/99 1805
If ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE William E. Might holding E. figured Name/Signature Date of Treparet

II ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Solutia Inc. Sauget Area 1 (Please Print) Judith Ln - GWsenp. Work

Date	∠ Name	Organization	Phone #	Time In	Time Out
12/2/19	GEN AFFERTY	MANERICK		0320	
12/2/99	GENE PATIEN	MANEFICK CAHOKIA P.D.		0800	1500
12/2/4	DAREN-HOMBOR	OBO		840	1500
12/2/4	DAREN Hongson NICK 5 COLIN W	060		840	1500
12/2/94	COLIN W	086		820 820	1500
12-299	DAN LOTETT	TPS		870	1445
17-2-49	RON MEBINER	IP3		630	1445

SAFETY MEETING FORM (Down gradient alluvial aguifer sampling)
DATE <u>D2 DEC 99</u> CONDUCTED BY / COMPANY LE GIRLGHT / O'Brien House PROJECT NAME Solutia - Soluget Area / PROJECT LOCATION W. of 5/26 WEATHER _____ PRECIPITATION TEMPERATURE NUMBER OF HOURS WORKED __ _____NUMBER OF EMPLOYEES ____ SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION OF FSP & HASP HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION 5. COMMENTS Dungradient allurial aguifer sampling (generally applicable - not instelling wells VOCs, combustible gosse, Splashing of water, electric negate wastes and document appropriately on work tracking log 53 on Hanking property ATTENDANCE: EMPLOYEE NAME (print) EMPLOYEE SIGNATURE COMPANY Nicuas Jenkins CO CAREGRY THOMPSON DUN VELLENKAMP SUBMITED TO WESTON 03 DOZ 99 @ 1/45

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Milliam E. Windt Habillan Should PRINTED NAME I SIGNATURE OF PREPARER DATE

SAFETY MEETING FORM

(WASTE BORINGS) DATE 02 DEC 99 CONDUCTED BY / COMPANY & Howard 10' Brien + Gere PROJECT NAME Solving - Sauget Area / PROJECT LOCATION Site N WEATHER _____ TEMPERATURE PRECIPITATION 1. SCHEDULED WORK: 2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: 3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: 4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: 5. COMMENTS: Wask bornes @ SiteN : HASP #2.4 Potential contact with hazardous materials and wester from the boring : drill rig hazards of overhead falling objects, moving parts, pressurized lines, noise, CO from exhaust, and roll-over; breathing of impacted dust or vapors; splasking of impacted liquid from the boring or during decon; slips/trips/ falls PPE is level C with level Bon-hand; air maniforing with PID, 4-gas, and RAM; up grade / down grade PPE based on air monitoring; resp. castridges are OV/PROD; driller to inspect my daily for hazards and repair as needed Snoting is in vehicles only, outside of exclusion zone; segregate wastes; significant on the voitous lay; drive care fully around freed one. ATTENDANCE: EMPLOYEE NAME (print) EMPLOYEE SIGNATURE COMPANY SUBMITED TO LESTON 03 DEC 99 @ 1145 PRINTED NAME / SIGNATURE OF PREPARED IF ADDITIONAL SPACE IS REQUIRED. RECORD ON REVERSE SIDE

Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time In	Time Out
	Nick Jankins	O Brien & Give	347 314 8 42 4550	700	1900
17-2-98	Bill Works	erce		w	1900
12-2-961	Bill World	0.13 6-	314-8-42 4554	17/7	1830
12-2-44	STEVE PAGEN	Catrollie P.D.	48.3314505	0700	1200
12/2/99	Tony Finest	OPSO		0700	1730
12/2/99		IFS	615 244 7900	0710	1500
142/99	Ban Lovett Bun LARFIRTY	Ifs	(18-244-7900	PTIC	1500
12/2/98	Men LATFIRTY	MANTEICK		070	1705
12/2/91	Dalp Mahurin	LuyNe	314-343-3700	0724	1602
12-2-99	Toka Phillips	LAYNE	12 11	0724	1600
12-2-49	rough exceening	0.06	442-4550	0702	
12.2.99	Elka	Rt Wester		0800	1530
				<u> </u>	<u> </u>
				<u> </u>	
<u></u>				<u> </u>	
			·		

107-111 रहने 92.96 - 99.103 मि AA. GHL-SI AA. GHL-SQ Kens. Kooprad 5.45 (1) (()

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.					
	REPORT NO.	062				
PROJECT	DATE	03 December, 99				
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.					
CONTRACTOR	WEATHER	Cloudy, Temp. 60°F				
O'Brien Gere						
CQC Inspection phases attended and instruc	tion given:					
1) Downgradient Alluvial Aquifer Sampling:	AA-I-S3(24-28)	and AA-I-S2(16-20)				
Results of QA inspections and tests, defic action of contractor. Include comment pert						
1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.						

Verbal instruction given to contractor: (Include names, reactions and remarks)

Has anything developed on the work, which might lead to a change order or

2) Rogers Cartage has denied access to Solutia for any future work.

Information on progress of work, causes for delays and extent of delays, weather, plant,

several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access

1) Extending beyond the site boundaries for soil gas survey poses access issues with

YES

NO

1) None

finding of fact?

material, etc.

from the appropriate parties.

Information, instructions or actions take 1) None	en not covered on	QCR report or disa	greement:
SAFETY: (Include any infractions of appro	oved safety plan,	safety manual or in	nstructions
From Government personnel. Specify corre			
1) None			
			D.C.
REMARKS: (Include visitors to project and	d missollaneous r	omarks postinent to	rrowle \
REPARKS. (Include Visitors to project and	miscellaneous i	emarks pertinent to	work.)
		_	
INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
Cille	12-03-99		

DAILY WORK LOG

DATE OS DEC 99

PROJECT NAME	Solutia - Sa.	uget Aval	PROJECT	LOCATION	W. of Size I,	field of.
WEATHER <u>Close</u>	idy	PRECIPITAT	ION Jah	a.m.	_ TEMPERAT	URE ~60°F
NUMBER OF HOL	JRS WORKED	54	NUMBER	OF EMPLOYEES	s <u>7</u>	
2. INSTRUCTIO 3. INSTRUCTIO 4. DEVIATIONS 5. VISITORS (N. 6. EQUIPMENT 7. LUNCH MEET	NS RECEIVED FR NS RECEIVED FR AMES & TITLES) FING COMMENTS	OM USEPA				
(D) · Collecte AA-1 · Condir	1 downgradient -SZ-16-20 FT and future ac	a//uvia/ aquit on Cerro (off tivities at the	for sample cer. Gield off	s AA-I-	57-24-28 F1	and
2) None None						
4) None 5) See a Ho	uted wistous la	29				
6) 2 George	be rigs, Has.	equip, sampling	4 monitor	ing equip,	support wehi	der
7) None 8) None						
g) None						
	******		- N			
	200	MITTED TO LESTON	V 03 DEC9	9 0 1845		
	AL SPACE IS REQ ON REVERSE SI		DE / Javerdin PRINTED		TURE OF PREPA	PEC 99 RER / DATE

	SAFETY ME	ETING FORM	(m-)
CONDUCTED BY / COMPANY :	DE Howerdisk /)'Aries + Core	DATE 03 DEC 89
PROJECT NAME Solutia - Se	•		W. of Site I (Cerro Caper)
WEATHER Descent	PRECIPITATIO	ON Tan a.m.	TEMPERATURE ~55°F
NUMBER OF HOURS WORKED _		NUMBER OF EMPLOYE	ES
1 SCHEDULED WORK: 2 REFERENCES TO APPROPRI 3 HEALTH AND SAFETY ISSUE 4 SPECIFIC HEALTH AND SAFE 5. COMMENTS:	S WITH SCHEDULED W TY ISSUES REQUIRING	VORK: G ATTENTION:	
		oling; field ofc. prej	
		• • • • • • • • • • • • • • • • • • • •	e-not instelling wells)
(3) Potential contact shock, muscle -	with VOCs, comb	sustible gases, Sp of fells, noise	lashing of water, electric
(4) FPE is modified (espirator on hand if	level D with air upgrade to leve	maniforing in bread	thing zone using PID+CGM;
Cióper			tracking log: Smoking in first office + at Ceno
ATTENDANCE: EMPLOYEE NAME (print)	EMPLOYES SIGI	NATURE	COMPANY
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DARENTHOMPRON	Proper	The D	280
TONN FINCH	har of the		056
COLIN VELLENKA A	9	Ellehan	OBC
Pan Mc Brayer	Wolfen 4lk	and and	213
	SUBMITTED TO	LESTON OF DEC 29	Q145
IF ADDITIONAL SPACE IS RE RECORD ON REVERSE S		DE Haverdink / P. PRINTED NAME / S	9 Blandin IIGNATURE OF PREPARER
		03 DEC 9	
			DATE

Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time In	Time Out
12/3/99	Kimborly Perro	Sulitia	314-677-3402		0825
12/399	William E. Wright	O'Brien & Gere	314-84,7-4550		1700
12/3/967	/	11	314-842-4550	NOD	1800
12/3/99	Walls Haverdink	1/	314-842-4550		1845
12/3/94	Tony Fruest	0136		0760	1528
12-3-6	COLIN WELLERKAND	OBC,	8772-4550	0703	
12/3	from lattering	MANGRICIE		1710	H400
12-3-97	Par Corett	IPS	618.744.7900	0710	1615
12-3	Brus M. Broyce	JPS	618-244.74900	0710	1615
12-3	WATHFU LINDHUST	CAMOKIA YD	337-9505	0700	
12-3	lix Telesco	OBL	314-280-	1800	1020
12-3-59	Micolas Jenkins	O'Buen : Sere	314 842 4550		1800
123	13 do Jan Mil	0.06		1612	1630
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WORK FORECAST

Work Forecast for the day/week: 06 DEC 99 Date: 03 DEC 99
Project Name: Stutia - Sauget Apeal Project Location: Wot I, fill areas
Company Name: O Boren & Gove
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue downgradent a//uvial aguiser sampling 4/25+0° 5:4 I (53+52)
· Hold prep in spection meeting for slug tests
· Begin installation of piezometers for slug testing
Company Name: O Biren & Gere 1. List Work Items and Locations Scheduled for Next Day/Week: . Continue downgrodest s//wis/ againer semping West of Site I (SP+52) . Hold prep. in spection musting for stay tests . Begin installation of piezonetus for stay testing Submitted to Weston 620504 9 1845
pect Name: Stutin - Sauget Area / Project Location: Not I, fill areas npany Name: O Boren & Gene List Work Items and Locations Scheduled for Next Day/Week: - Continue downgrober of/Luvial againer sampling West of Site I (57 452) - Hold prep. in spection meeting for stuy lesting - Begin installation of piezonetes for stuy lesting Submitted to westow 63 Dec 91 (845) Submitted to westow 63 Dec 91 (845) ADDITONAL SPACE IS REQUIRED. DE Howardon by De Dec 99 Name Signature Date of Preparer
pject Name: Sixtin - Sauget Steen / Project Location: Wolf I, fill areas mpany Name: OBjech & Core List Work Items and Locations Scheduled for Next Day/Week: - Continue downgraded affavial again for sampling West of Sixt I (St + 52) - Held prep in spectron marting for slag tests - Begin installation of piezonetes for slag testing SUBMITTED TO WESTON GSDEC 91 @ 1845 DE Howardont DE Reported Of Dec 99
ect Name: Sintin - Sauget Apen Project Location: Not I, fill areas pany Name: O'Boren & Gore List Work I tems and Locations Scheduled for Next Day/Week: - Continue downgrodest alluvial againer sampling West of Site I (Sp 452) - Hold prep. In spection mailing for slug lests - Begin installation of precorates for slug lesting SUBMITTED TOWNSTON 63DEC 91 @ 1845 DE Howadow St Aprolon Of Dec 99 Namo Signature Date of Preparer
SUBMITED TO WESTON 63DEC 99 @ 1845
If ADDITONAL SPACE IS REQUIRED, Name/Signature/Date of Preparer

Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time in	Time Out
14911	Kulzed 7 Pers	Solita	314-674-3402	0635	1700
12-6-19	Dave Harridak	OSC	314 280 6435	0655	1800
12-6-44	MATTHEW LUD NORT	CAMURIA PD	337-4505	0655	1605
12-6-79	CX: N WELLENKHIN	086	642-4550	0700	1800
12-6-19	TimTruesia	UBG	314-28-0 6433		1030
2.6.1		MANERICK		0700	15-7-1800
12.7.92	now inst	IB	614-244-7900	0200	153
17-662	FUN ME BUNCK	IPS	118-244-780	1.00	1530
12/6/99	Tory Finest	0436		0700	1700
12/0/9	WinE Wright	0136-	314-250-643		1800
12/6/99	TIMCCANK	Herriss Dr. Miny	618-539-3180	c2.30	1605
13ke/99	Charl Dutton	Harriss Dalling	(ald 539-3180	67:30	1605
12-6 79	Ceril HARRISS	RF Worten	714-324-5332	0245	
12-6-99		HDSF		0730	
12-6-99	Nick Jenkons	OBC	314 847 4550	1115	1215
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Solutia Inc. Sauget Area 1 (Please Print) S. of H -slug test inst.

Date	Name	Organization	Phone #	Time In	Time Out
12/6/44	Tim Crank Charl Dutton Tony Finest	Organization Harriss Dr. Iling Homiss Dr. Iling 0736	618-539-3180	1015	1605
12/10/99	Chad Dutton	Hamiss Dalling	618-535-3180	10:15	
12/6/49	TONY Final	036		10:15	
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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.				
	REPORT NO.	063			
PROJECT	DATE	06 December, 99			
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.				
CONTRACTOR	WEATHER	Cloudy, Temp. 40°F			
O'Brien Gere					

CQC Inspection phases attended and instruction given:

- 1) Preparatory Inspection Meeting for Slug Testing
- 2) Slug Testing: Installation of well clusters will begin for site H
- 3) Downgradient Alluvial Aquifer Sampling: AA-I-S2(26-30) and AA-I-S3(34-38),(44-48)

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) I asked for a Clarification to the FSP section 5.3.3 and App. D (Typical Well Construction) Tim Tedesco (OBG) said he would produce a clarification.

Has anything developed on the work, which might lead to a change order or \underline{NO} YES finding of fact?

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has denied access to Solutia for any future work.

	······		
Information, instructions or actions taken no	t covered on	QCR report or disagr	eement:
1) None			
SAFETY: (Include any infractions of approved a From Government personnel. Specify corrective			tructions
1) None			
REMARKS: (Include visitors to project and mise	cellaneous r	emarks pertinent to w	ork.)
	DATE	SUPERVISOR'S	
INSPECTORS'S SIGNITURE	DATE	INITIALS	DATE
	12-06-99		
Lul Ay	12 00 33		

PREPARATORY INSPECTION MEETING

Conducted by/Company: // M Project Name: Since S	Jedes 10/0 Bray (get Don I Task: 5	Date: 60e, 49
1. Scheduled Work:		
2. Equipment, Procedures, Personn	el:	
3. Ref. To App. Sec. of FSP/HASP:		
4. Issues that could arise and how to	resolve:	
5. Solutia comments:		
6. EPA comments:		
O-Instill nest o	+ 3 2"cizmeter	strinker steel
Dissonetes et		V
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	2 zone modle-fine	Sain Zone & liver
	rejuted to be 2+20'.	30'480'-75'
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7 , 11 7 11 11 1		to sever descet
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- licronates matella	constructed IAW A	o. Dot the FSP + Set 53
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pronte inthiting or	11.12, between boring loca	Tiens of et its completion
- been pul constan	to be civilling contrator	steech site > DCCN
Solus will be a	lzied w dominal s	oil cuttings
- Sly tests will	De Derburned TAW	FSP Secf. 5.14.3
the type of	fest used will be du	enuta sura
ATTENDANCE:		$(Ovir) \rightarrow$
EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
E. KREMP-	C/I	RF Wester
(Limberty Per)	Kid In	Solutia
Lecil D. HARRISS	Cull tann	Flaris Drilling
Tra CrAnk	The Colonial Colonia	Heris Soillie
Charle Orthon	There il & Ith	Harriss DRIlling
Torry Finest	(And A)	OBG
Dave Hourdink	and it wasting	OFG
irck Jankini	Bich pur	6136
		11401
IF ADDITONAL SPACE IS RE RECORD ON REVERSE S		ME SIGNATURE OF PREPAREI
RECORD ON REVERSES		_
		DATE

S. Sin. Her to We Fun & DEC99 C 1755

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- Herving schos > scooler vains alknown could method + 20 a noon to care act an avoidant busington scale list FOP Sotra 5.144 S.3.3 HADP Schrein
- -Slig Test Det not somewhat Tem to change depth togeth Depth of Sifiens virtued for virtuel of second knowlesse to Downlow Petr -> Senes of detrodunton split sown at some IBurin Cody Los - avelly will have continuon split sown at some I-1/1 area locations - upopoint a out of fill area Well constation - Contlict in Aporto de verbigg/text 1/sh munted

DAILY WORK LOG

DATE 06 DEC 89

PROJECT	NAME _	Solutra	-Sau	get Area	PR	OJECT LOC	ATION	W. of Site	5 of 5.40
WEATHE	R Dart	cloudy	<u> </u>	PRECIP	PITATION	None		TEMPER	ATURE ~ 40 %
NUMBER	OF HOU	RS WORK	ED <u>4</u>	5	NU	MBER OF E	MPLOYEES	6	
2 INSTE 3 INSTE 4 DEVIA 5 VISIT 6 EQUII 7 LUNC	RUCTION RUCTION ATIONS ORS (NA PMENT CH MEETI SUAL EVE	S RECEIV S RECEIV MES & TIT NG COMM ENTS (FIRI	ED FROM ED FROM LES) ENTS:	D, STORM, L	ABOR DIS	PUTES, ETC	.)		
<u></u>	to 48	f bq							deep interval
	Called AA-I	ed A	1- <u>I- S</u> 4-38 F	7 - <u>(26-30</u> 7) , (44-	(48 FT)	26-30\$FT	MS) , 26	-30 FT MS); Collecte
Ø	Slug tes	t locat	sons a	proved in	n field b	K. Peris			
(<u>)</u>	None None								
Ø	2 George	obe Ties			drill sig	for slug to	st piez in	st., suppo	+ vehicles,
7 3	Vane Vano	у м.р. ,) 4 p			
	Encounte heaving	red hea	wing son	ds in Si	T-H-D	; used u	ater thro	ugh auger.	s to prevent
		SUR	n//E0	TO WESTON	V 16 Dec	288 @ /3	255		
	DITIONA	CD405	2.050		DΣ	Havesdink	1200	74 . 1 1	100 00-00
		L SPACE I: ON REVER						URE OF PRE	PARER / DATE

WORK FORECAST

Work Forecast for the day week: 07 DEC 99 Date: 06 DEC 99
Project Name: Southa - Suget Aca / Project Location: W. of I, S. of H
Company Name: O'Bien & Gere
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue GW sampling W. of I (SJLSZ)
: Continue piez. installation for slug testing 5. of H
SUB MITTED TO WESTON 06DEC99 @ 1755
If ADDITONAL SPACE IS REQUIRED. DE Havedink JE Havedink Job DEC 99 Name/Signature/Date of Preparer

If ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

SAFETY MEETING FORM (Slug lests)

CONDUCTED BY COMPANY . DE AL.	erdine 10 Boom " Gare	DATE <u>06 DEC 99</u>
PROJECT NAME Solution Sauge +	/	W. 0 + 5, 2 I
	PRECIPITATION	TEMPERATURE ~35%
NUMBER OF HOURS WORKED	NUMBER OF EMPLOYE	ES
SCHEDULED WORK: REFERENCES TO APPROPRIATE SEC	TION OF FSP & HASP	
3 HEALTH AND SAFETY ISSUES WITH 4 SPECIFIC HEALTH AND SAFETY ISSUE	SCHEDULED WORK.	
5 COMMENTS:	ES REQUIRING ATTENTION	
(1) 5/mg test piezometer	installation	
3) FSP # 5.14 ; HASP *	2.6 (generally applicable)	
3. Potential contact with con	mbustible gases, NOCs, impo	ické water + soil, stast
trips/ talls, noise, diilli	rig huzords of over how falls, mo	THE WILL BASSALISSY LINES ! (O)
4 PPE is modified level D	theory paketon) with the breath	ling room using PID, (GM, +
rig for hereises duly & repe	1 4 parado to 1848/C 15	rucessary; distant singu
<u> </u>		
5) Spoking only in vehicles,	scyregak wasks, drive coreful	by around the tield chice
ATTENDANCE: EMPLOYEE NAME (print) EN	IPLOMES SIGNATURE	COMPANY
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Fick Konner	Elken	AF West.
Jon'y Phust Ch	- PARIL	ORG
Con LAFFEETU	1121	MAKRICE
Tim Crank O	h tot	Harris
Chad Inton	had M. E att	Harriss
Cecil HARRISS S	gif of lyanin	HDSZ
autod - long	wy sin	50/ctia
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	CHIO WENT WORKEN C	
	7511 . 2	27/
IF ADDITIONAL SPACE IS REQUIRED.	Dt. Havedort /a	UC Comora
RECORD ON REVERSE SIDE		SIGNATURE OF PREPARER
	AL Arena	•
	06 DEC99	
		DATE

SAFETY MEETING FORM (Downgradient alluvial aguifer sampling)
DATE 06 DEC 99 CONDUCTED BY / COMPANY DE Haves date / O'Bries + Gere PROJECT NAME Solutia - Sauget Area / PROJECT LOCATION WEATHER OVERCAST PRECIPITATION NONE TEMPERATURE ~35% NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION OF FSP & HASP HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: COMMENTS Dungladient alluxial agusfer sampling (generally applicable - not instelling wells VOCs, combustible gases, slips/ tips/ fells, noise PPE is modified level D with air movinoring in breathing zone sespirator on hand is upgrade to level C is necessary document appropriately on work tracking looks; drive with case then around field of ATTENDANCE: EMPLOYEE NAME (print) COMPANY Maccon and N Coret Ran MEBraver SUBMITTED TO WESTON OF DEC 99 0 1755

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

PRINTED NAME / SIGNATURE OF PREPARER

11. A. T. CO.

____06 DEC 99

Dec 6

OBG rudet Piep Medre for Slug Testing

One main issue that I expressed is the fact that they are being placed artside the fill areas purpostion as to not drill through unste the plan call for the installation of these wells at the fill areas

My connects were expressed to 0.36
. Solution and noted on the Meeting

MBG beging installation of Slig Test Cult

AA-I-S2 - 26.30 AA-I-S3 - 34.38 + 44-48

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.					
	REPORT NO.	064				
PROJECT	DATE	07 December, 99				
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.					
CONTRACTOR	WEATHER	Cloudy, Temp. 50°F				
O'Brien Gere						

CQC Inspection phases attended and instruction given:

- 1) Slug Testing: Continue well cluster for site H
- 2) Downgradient Alluvial Aquifer Sampling: AA-I-S2(36-40),(46-50) and AA-I-S3(54-58),(64-68)

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

Has anything developed on the work, which might lead to a change order or NO YES finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). The Question was also noted during the Preparatory Inspection Meeting on 12-6-99 by Erik Kemper(Weston).

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has denied access to Solutia for any future work.

.) None			
SAFETY: (Include any infractions of approximation of appr			instructions
.) None	riddiyd ddiron ban	G ,	
REMARKS: (Include visitors to project a	and miscellaneous r	emarks pertinent to	o work.)
		-	o work.)
REMARKS: (Include visitors to project and Weekly progress report with Tim and		-	o work.)
		-	o work.)
		-	o work.)
Weekly progress report with Tim and	d Mike(see attached	SUPERVISOR'S	

SAUGET SITE 1 WEEKLY CONFERENCE CALL NOTES December 7, 1999 10:00 am

PARTICIPANTS: Mike McAteer, Erik Kemper, Tim Gouger

Prepared by: Tim Gouger

ISSUES

1. Preparatory Inspection for Slug Tests were conducted December 6, 1999. Contractor plans to use rising\falling head tests, one test per Site H,I, G, L, and N. Three piezometers, per slug test, will be installed to 20', 50', and 80' depths to monitor impacts to the aquifer. The Contractor has proposed locating these tests at the periphery of each site. Our concerns include:

The tests will be performed at the periphery of the source areas, in relatively consolidated soils. In contrast, the source areas are largely comprised of unconsolidated debris and wastes. Thus, slug tests will provide hydrogeologic information for a consolidated, rather than an unconsolidated, scenario.

Free product, miscible product will likely be identified in source areas and will be less likely to be found in peripheral areas. How will flow characteristics of waste product\unconsolidated media be accounted for in tests?

Performing the slug tests prior to the waste depth trenching eliminates the usage of the open excavation information to locate strategic slug test areas.

- Solutia plans to perform the slug tests outside the delineated boundaries for Sites H, I, G, L, and N.
 For example, Solutia proposes to use the park area, near Well EE-20, for the slug test for Site I instead
 of performing the test within the Site I boundary. Some explanation is needed. We do not concur with
 the proposed locations for slug tests.
- 3. McAteer has received an email from Mike Light. Solutia plans to issue a deviation to the work plan to characterize the Site G boundaries. At this time, they plan to continue westward, towards Weise Engineering. No further action is proposed for the site boundary trench to the south, though it did not extend to the anticipated site boundary during the last effort.
- 4. McAteer stated not only his concern but also the publics concern for receiving the EECA(s) in January 2001. McAteer inquired about quicker TAT for analytical from transect samples to shorten the schedule. Gouger revisited the schedule issue. Based upon the August 1999 meeting between IEPA, US EPA, Corps, Solutia and their subcontractors, Solutia planned to submit the baseline risk assessment prior to issuance of the EECA as a way to manage what could be exorbitant waste volumes. Subsequent to its approval, Solutia would submit EECAs to perform removal work for all sites. The BRA could be submitted well in advance of the EECAs. Also, some time-critical removals are occurring presently and may continue in the future. McAteer stated he did not necessarily wish to receive the BRA before the EECAs.
- 5. Menzie Curie plans prepare the ecological samples for analytical in late January, 2000. McAteer requested Steve Brodman's participation.
- 6. Erik Kemper will prepare a spreadsheet for all split samples. After Gerald Almquist performs data evaluation, validation, the analytical results will be added to the spreadsheet. McAteer will coordinate with Solutia for the same information as a means of direct comparison.
- 7. Solutia plans to begin sediment sampling the week of December 27, 99.

- 8. Erik Kemper will be off the 30 December 99. The project will be shut down the 23, 24, 27, 30 and 31 of December, 99.
- 9. McAteer stated discussions for the TSCA permit are tenatively scheduled for January 4, 2000, at Sauget, Illinois

DAILY WORK LOG

DATE 07 DEC 99

	Sauget Area 1	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	S. of M. V. of I
VEATHER partly clouds	PRECIPITA	TION <u>NORE</u>	TEMPERATURE ~50°F
UMBER OF HOURS WORKED	<u>60.S</u>	NUMBER OF EMPLOYE	ES 7
1. ITEMS WORKED ON (ITEM	NO., DESCRIPTION, S	TA. TO STA., FOREMAN)	
2. INSTRUCTIONS RECEIVED			
3. INSTRUCTIONS RECEIVED	FROM USEPA		
4. DEVIATIONS 5. VISITORS (NAMES & TITLE	8)		
6. EQUIPMENT	5)		
7. LUNCH MEETING COMMEN	ITS:	<u> </u>	
8. UNUSUAL EVENTS (FIRE, F		R DISPUTES, ETC.)	
9. REMARKS:			
	·	4 4 4	
1) Havenced 5/119	test piezometer s		to 76 f lg
E King of the	Semples AA- F-	; (o/kckd AA-	-30 FT), solid sample u/
(CY-GY ET) SA	IN OF 196-30 FT	Kemper ++ (64-62)	=-1F- (37-38F/); =7
107 64717 , 201	IT STAPE W/ Z	7/ (64-64)	-1)
Z) None			
None	• .	* .	
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) See attached visitors	logs		
) Soe of the chart visitors			
) See attached usites		support vehicles, i	H+Seywip., semp. eq.wip.,
) Soe of the chart visitors		y, support vehicles,	Hrseywp., samp. eq.wip.,
) See attached usites		ig, support vehicles,	Hrseywp., semp. eq.wp.,
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C1Smart0BG FormaWCRJCLOG WPG

SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print) Slug kets S.ofH

Date	Name	Organization	Phone #	Time In	Time Out
12/1/99	JIMMY JONES	CAHOKIA POLICE DEPT.	618-337-9505	0800	1220
12/11/44	ONN FINEST	OBG		0600	1220
	Tim	tayne threeis		0800	1434
V	Curaro	LANKE HARRIS		0000	1208
Wild.	Kniber 7 Perm	Su/Litiza	3H674 -3402	0425	0920
	KIMBORY PERRY	SOLUTIA		0933	10aB
2+7-99	JIMMY JINES	CAHOKIA POLICE DEPT.	UB 337.9505	1245	1434
117-99	"CHAD	-taying Horacis		1245	1434
21109		086		1245	1634
1227.99	Dave Havedink	OFG .	314 280 6435	1400	1425
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WORK FORECAST

Work Forecast for the dayweek: 08 DEC 89 Date: 07 DEC 8
Project Name: Solutia - Sauget Area (Project Location: Wof I. S. of H
Company Name: O'Brien & Gere
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue GW samp. W. of Site I
· Continue slug test prezoneter installation & logging
· · · · · · · · · · · · · · · · · · ·
SUBMITTED TO WESTON OFDER 99 @ 1740
DEHavodink/DE Havenin/07DEC 99

If ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Name/Signature/Date of Preparer

SAFETY MEETING FORM (Piezoneter installation for slug tests)

CONDUCTED BY / COMPANY : DE Haverdink	O'Brien + Gere	DATE 07 DEC 99
PROJECT NAME Solutia - Sauget Areal	PROJECT LOCATION	S. of Site H
	ATION MONE	TEMPERATURE ~30%
NUMBER OF HOURS WORKED	NUMBER OF EMPLOYE	§
SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION OF HEALTH AND SAFETY ISSUES WITH SCHEDU SPECIFIC HEALTH AND SAFETY ISSUES REQU COMMENTS:	LED WORK:	
(1) Piecometer installation for slug testi	ng.	
(2) FSP# 5.14 HASP#2.6	(generally applicable)	
(3) Drill try hazards of overhead falls roll-over; potential contect with boring; slips / trips/falls; mu (4) PPE is modified level D w/air mo respirator on hand if upgrade to ha daily basis and repair as neede (5) Drive w/ counting around the field of	nitoring in breathing zone in	Ismy PID, RAM, 4-gas, AMILER 10 inspect sig on
ATTENDANCE:		
EMPLOYEE NAME (crint) EMPLOYEE TONY FINCH	SIGNATURE	COMPANY
Im Crank		Henris
(Mad Duthon CLIM.	Lit	Haniss
parting except LARL		036
Jeanny Jones	ng	CANOKIA P.D.
frances terry		SULTIA
Ken CAFFORM	H. G.	MAKROE
SUBMITTED TO LASTON	1 07DSC 99 @ 1740	
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IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE	DE HAVE dink / SPRINTED MAME IS	IGNATURE OF PREPARER
		DATE

SAFE (Down g	TY MEETING FORM	inpling) (17 DOX 09
CONDUCTED BY / COMPANY : DE Have dix	ok / O'Brien Gere	DATE 07 1/20 11
PROJECT NAME Solutia - Sauget Area	,	W. of Site I
WEATHER Partly cloudy PREC	CIPITATION <u>None</u>	TEMPERATURE ~30°F
NUMBER OF HOURS WORKED	NUMBER OF EMPLOY	EES
SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION HEALTH AND SAFETY ISSUES WITH SCHE SPECIFIC HEALTH AND SAFETY ISSUES R COMMENTS:	DULED WORK:	
1 Downgradient atturial aguite	er sampling	
(2) FSP # 5.9; HASP #	2.6 (generally applicab	le - not installing welle)
3) Potential contact with VOCs shock, muscle strain, sli	combustible gasse, S	Olashing of water, electric
(4) PPE is modified level D will lespirator on hand it upgrade	th air monitoring in bree to level C is necessary	thing zone using PID+CGM;
ATTENDANCE:		
EMPLOYEE NAME (print) EMPLO	YEE SIGNATURE	COMPANY
DAREN THOMPSON	a Gorson	<u>086</u>
Tim Tevesou	P. Li	036
Ron Nº Braver Ro	ndel Mobiene	±P5
COL: J LEKENKAMO	Rightelle Lay	ONG
Kempen > Pero	alv 17	Sulta
William E. Wright Ny	Court from	MAUFRICK
- SCIA CHAPEICIT		
SUBMITTED TO	LESTON 07 DEC 89 @ 17	40
IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE	DE HANT LINE I PRINTED NAME I	SIGNATURE OF PREPARER
		DATE
		47 10

Dec 7

AA.I.SQ 36.40 + 46.50 AA.I.S3 54-58 + 64 68

Continue Well installation at site H

Had picquess medies with Metiter - Gager and talked about the Stry Test issues the agree the placement outside the fill areas is an issue

MCAteer will ask Solution what rever

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.					
	REPORT NO.	065				
PROJECT	DATE	08 December, 99				
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.					
CONTRACTOR	WEATHER	Cloudy, Temp. 55°F				
O'Brien Gere						

CQC Inspection phases attended and instruction given:

- 1) Slug Testing: Continue well cluster for site H
- 2) Downgradient Alluvial Aquifer Sampling: AA-I-S2(56-60), (66-70) and AA-I-S3(74-78)

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) I asked Kimberly Perry(Solutia) to produce a drawing indicating the locations she had marked for the Slug Tests. She promptly marked up Figure 1 of the FSP to show the placement of the well sites in relation to the fill areas. (see attached Fig.1)

Has anything developed on the work, which might lead to a change order or NO \underline{YES} finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). The Question was also noted during the Preparatory Inspection Meeting on 12-6-99 by Erik Kemper(Weston).

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has denied access to Solutia for any future work.

Information, instructions or actions taken not	covered on	QCR report or disagree	ment:
1) None			
SAFETY: (Include any infractions of approved s From Government personnel. Specify corrective			ructions
1) None			
REMARKS: (Include visitors to project and misc	ellaneous r	emarks pertinent to wor	·k.)
INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	12-08-99		
7			

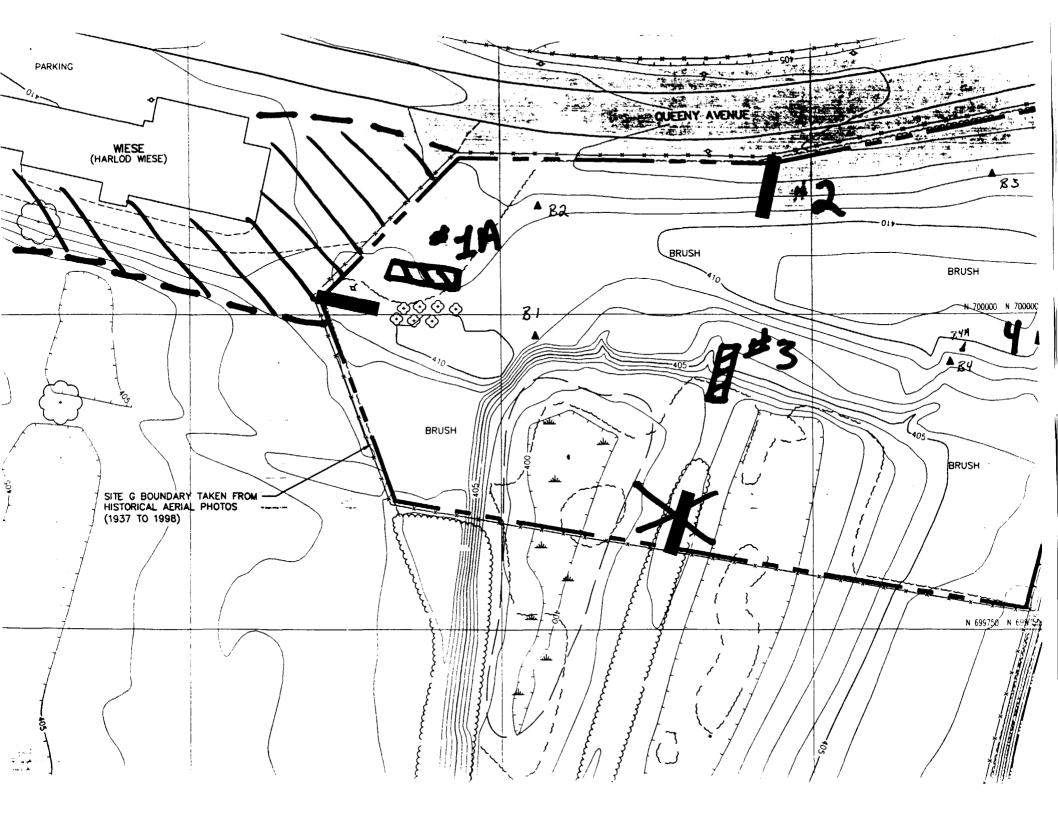
Issues at Sauget Area 1 December 7, 1999

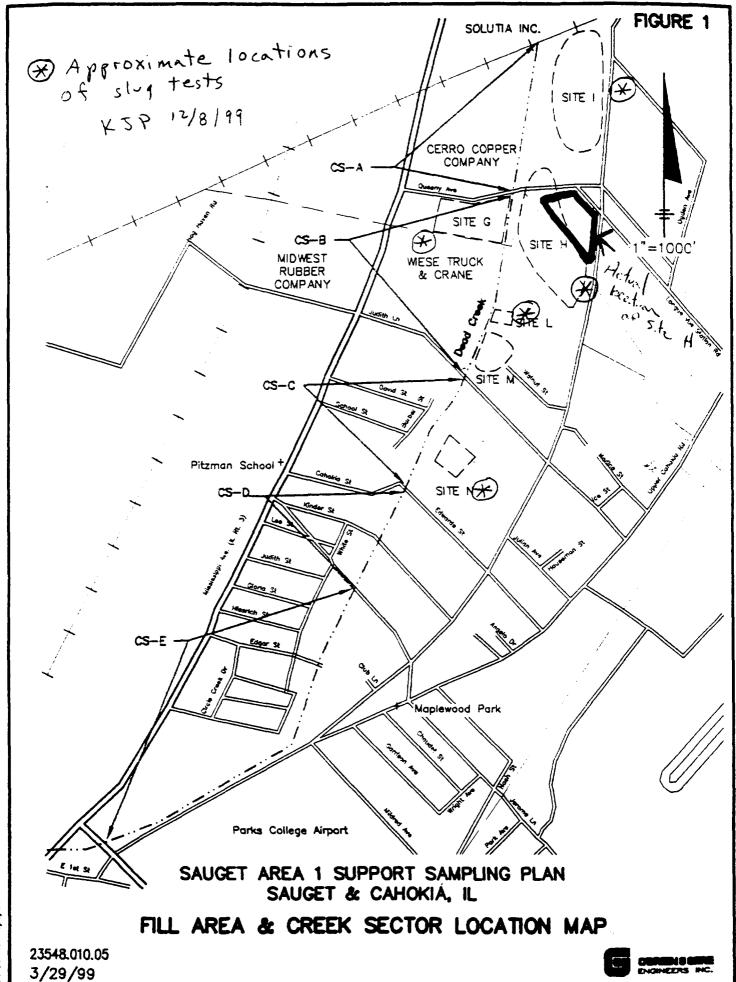
Site G: The west boundary trench (1A) did not show that the fill area was contained inside the fenced area. The fill appears to continue westward onto the Wiese property. Solutia and OBG have stated that it would be too disruptive to have an excavator trench through the Wiese property to try and find the waste boundary. Secondly, according to the aerial photographs the waste looks to extend under the building on the Wiese property.

An alternate plan for locating the western boundary is being developed by Solutia. The use of a Geo-Probe unit has been mentioned and to drive the rods and feel for resistance, but I do not know how they can determine that there is fill or not without at least taking a core sample to visually inspect the material.

Also the southern trench (#3) was initially moved because of the lower somewhat wetter areas. By doing this there is a large area of the site that will be left unknown if not investigated. Soil gas survey operations did take place in this same area so the terrain should be negotiable by a piece of equipment.

Slug Tests: According to the FSP the piezometers to be installed for the slug tests will be at each "Fill Area". The locations picked by Solutia and OBG are definitely outside the boundaries of the known fill areas, in some cases not on the same property such as Site I which is located across the street near background well EE-20 and the location for the Site H slug test is further south near background well EGG-108.





OT DATE: 4/1/89

DAILY WORK LOG

DATE 08 DEC 99

PROJECT NAME Soutra - Sauget Area/ PROJECT LOCATION WOLL, S. FH WEATHER Partly cloudy PRECIPITATION None TEMPERATURE ~55°F NUMBER OF EMPLOYEES ___7 NUMBER OF HOURS WORKED _ 68 1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN) INSTRUCTIONS RECEIVED FROM SOLUTIA INSTRUCTIONS RECEIVED FROM USEPA **DEVIATIONS** 5. VISITORS (NAMES & TITLES) **EQUIPMENT LUNCH MEETING COMMENTS:** 8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.) 9. REMARKS Dungradient all. ag. samp: collected GW samples AA-I-52- (56-60 F) 66-70 FT): collected GW sample AA-I-53- (74-78 FT) first boring at slug testing pierometer location 5 of H (logged ; attempted pierometer mitallation to ~ 40 fig in this location Performed sed, death experimental measurements in creek-in Arp. for sed. Sampling None None attached visitors drilling, support vehicles, H+S equip., sampling equip, muitorna geaprobe miss, Piezometer WES partially installed on ten of the collapsed formation below it when it dropped below the surface into the hole ~18"; the collapsed formation had been checked for soundness, but is expected to have bridged / heaved over a void below it, into which the prez. dropped; the prez. was retrieved the hole will not be used for piez. Installation SUBMITTED TO WESTON OFFECRA @ 1820 DE Havedine / De Danden IF ADDITIONAL SPACE IS REQUIRED.

RECORD ON REVERSE SIDE

SAFETY MEETING FORM

ONDUCTED BY / COMPANY : DETA	bayordink / O	SBrren + Gere		DATE <u>0006</u>	99
ROJECT NAME Solutia - Sam.	,			Dead Creek	
ATHER <u>Clear</u>	PRECIP!TA	TION None		TEMPERATURE	~35%
MBER OF HOURS WORKED	_	NUMBER OF E	EMPLOYEES		
SCHEDULED WORK: REFERENCES TO APPROPRIATE HEALTH AND SAFETY ISSUES V SPECIFIC HEALTH AND SAFETY COMMENTS:	VITH SCHEDUL	ED WORK:			
2) FSP# S.20 HA. Potential contact Mascle strain	sp # 2.9				CNS.
) PAE is matified level	(Dintial	u/ potentra/	use of n	Ades - depend s	07
Dive w/ contin around	d field office	+ crek;	smoking in	vehicles only	
TENDANCE: 1PLOYEE NAME (print)	EMPLOYEE S	SIGNATURE	?	COMPANY	
hou Carriery		Test -		MOUSHIKE	
Nick Jenkins William E. Woelst Unstrant / Past	Millian Jaky	Elfuft W		036 436- 50/1712	
Submitted to lef	uton 1	2/8/99	1800		
IF ADDITIONAL SPACE IS REQUIRECORD ON REVERSE SIDE	•	DE Handin PRINTED		JAMA JATURE OF PREPAR	ER
			08 DEC 99		
			D/	NTE	

SAFETY MEETING FORM (Piezometer installation for slug tests) DATE <u>08 DE 99</u> CONDUCTED BY / COMPANY: DE/faves dink/ OB 1704 4 Gare PROJECT NAME Solution Soft PROJECT LOCATION S. of H WEATHER Clear PRECIPITATION None TEMPERATURE - 359 NUMBER OF EMPLOYEES NUMBER OF HOURS WORKED 1. SCHEDULED WORK: 2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: 3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: 4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: 5 COMMENTS: Piezoneter installation for slug testing. HASP # 2.6 (generally explicable) Doill trig hezards of overhead falling objects moving parts, pressurized lines, noise, co. roll-over; potential contect with impacted soil + water, impacted upon from the slips / trips/falls, muscle strain PPE is modified level D whair monitoring in breating zone using PIP, RAM, 4-gas; respirator on hand if upgrade to lovel c is necessary; distler to inspect rig on daily basis and relait as needed Drive w/ coution around the field a fire; segregale wasles; smaking in vehicles عراءه ATTENDANCE: EMPLOYEE SIGNATURE EMPLOYEE NAME (print) COMPANY 086 Halles S 17en 12/8/9 PRINTED NAME / SIGNATURE OF PREPARER IF ADDITIONAL SPACE IS REQUIRED. RECORD ON REVERSE SIDE BDEC99 DATE

(Down gradient alluvial aguifer sampling)
DATE 08 DEC 89 CONDUCTED BY / COMPANY: DE HAND dot / O'Biren + Gave PROJECT NAME Solution - Sauget Area / PROJECT LOCATION World I PRECIPITATION None TEMPERATURE ~35% NUMBER OF EMPLOYEES NUMBER OF HOURS WORKED ___ SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: 5. COMMENTS: bungradient alluvial aguifer sampling generally applicable - not instelling wells VOCs, combustible gases, Splashing of water, electric with caution around field ATTENDANCE: EMPLOYEE NAME (print) COMPANY DEHANDLINK DE Haverens IF ADDITIONAL SPACE IS REQUIRED, PRINTED NAME / SIGNATURE OF PREPARER RECORD ON REVERSE SIDE 08 DEC 9

SAFETY MEETING FORM

WORK FORECAST

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If ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Name/Signature/Date of Preparer

SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print) Slug tess 5.0f4

Date	Name	Organization	Phone #	Time In	Time Out
12-8-99	TimTedesio	086	34-240-6433	0900	09/0
12-8-99	Tim Tedesus Dave Hawding Cecil HARRISS	OB6	314-240-6433 314780 6435	047	1100
12-8-99	Cecil HARRISS	HDSI		14:50	1608
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SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time In	Time Out
4.8199	14m Dentalen	Sulutra	34-674-7402	06 40	0750
12-18-19	Dave Havodnk	OBG	314 2 80 6435	0700	1820
2-8-9	Cosial relet NIAMIO	OBG	842-4550	0709	1730
12899		MAUZRICIZ		6705	.0
1284	Bill Wright (0136	34-280-6434	0705	1820
2427	LARRY A FLAND	Carrollin Pouck	416-337-4065	6700	
12/0/19	Tany brug	046		0700	1715
12/8/07	Tim Count	Harrist	618-5393180	0700	
48/90	Chas Auto	Hacciss	GIV-539 3180	0700	,
174.99	Dan LOCKT	TPS	614-7447900	6715	1530
17.8.49	HON ME BAYER	IR	1018-744-7400	0710	1600
17-5-15	N. Jenkins	o/3 6	314842 4850	0715	1800
12-6-55	Timicolesis	086	314-2RO-6433	0805	0855
12/2/09	Kinber y Rem	Sultra	214-674-2402	81745	
12/B (9C	n Thomason	OK	502551 Blue	0700	1530
NKHA	D Thumpson	UBG	502-551-8260	1730	1820
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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WII	LL BE ATTACHED TO OR FILED WITH THE QAR.
	REPORT NO.	066
PROJECT	DATE	09 December, 99
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.	
CONTRACTOR	WEATHER	Rainy, Temp. 50°F
O'Brien Gere		

CQC Inspection phases attended and instruction given:

- 1) Slug Testing: Completed installation of well ST-H-D with screen from 75 to 80 feet, set up on ST-H-M then stopped work due to rain.
- 2) Downgradient Alluvial Aquifer Sampling: AA-I-S3(84-88)

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.
- 2) OBG produced a clarification to the FSP regarding the well construction for the slug tests.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

Has anything developed on the work, which might lead to a change order or NO \underline{YES} finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has denied access to Solutia for any future work.

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None			
SAFETY: (Include any infractions of approved a From Government personnel. Specify corrective			tructions
1) None			
REMARKS: (Include visitors to project and miso	cellaneous r	emarks pertinent to w	ork.)
inspectors's signiture	DATE	SUPERVISOR'S INITIALS	DATE
ill-	12-08-99		

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CLARIFICATION LOG

INDIVIDUAL REQUES	STING CLARIFIC	ATION / COMPANY:	Solutia	DATE 9Dec49
HEALTH & SAFETY	APPROVAL REQ	UIRED: YES:	NO: <u>X</u>	
PROJECT NAME	Sul	tri-Szyt Arez I	PROJECT LOCATION	Szyct Stes G, H, I, LdN
WEATHER	Cool	PRECIPITATION	None TE	MPERATURE 450/=
NUMBER OF HOUR	S WORKED _	N/A	NUMBER OF EMPLOYEE	S
3. REASON FOR CL 4. CLARIFICATION 1 5. EQUIPMENT: 6. DEVELOPMENTS CLAIM (EQU 7. REMARKS: (2) States (3) States (4) App. (4) App. (5) App. (6) App. (6) App. (7) App. (7) App. (8) App. (9) App.	RIFIED (REF. AF ARIFICATION: O BE IMPLEME WHICH MIGHT JIPMENT TIME: 3.3 of the cally be i	PROP. SEC. OF FSP/HA INTED: LEAD TO ISSUANCES O MANPOWER ETC.): - FSP - Details Astiled economics bis statement le	on page 50 that to the typical wall	The sempling point wells
(9) The for App. Dep. Dep. Dep. Dep. Dep. Dep. Dep. D	Howing to is appropriate constant ter pack constant ter pack constant	ext on page 50 xite in general atom methods o sub of 20-40 Il be bentonite pl	terms + The followed	more closely than App. Solowing details specific prik filter prek to jot bilonsurtre
@ Deil 1	27, Well	Construction mo	tenil	
(C) None				
	Submitt	w to buton	on 9 Dec99	© 8:30
PRINTED NAME / SI		PREPARER PR	INTED NAME / SIGNATURE	OF SOLUTIA REP / DATE
DATE		PR	INTED NAME / SIGNATURE	OF USEPA REP I DATE
IF ADDITIONAL SPACE	E IS REQUIRED),		

DAILY WORK LOG

DATE 09 DEC 99

PRC	DJECT NAME	Solutia - Sa	uget Area	PRO	DJECT LOCATION	WofI,	5.04/
		ely + rainx	_		10 a.m - endofdag	TEMPE	RATURE ~50°F
NUN	MBER OF HO	URS WORKED _			MBER OF EMPLOY	_	
1. 2. 3. 4. 5. 6. 7.	ITEMS WORI INSTRUCTIO INSTRUCTIO DEVIATIONS VISITORS (N EQUIPMENT LUNCH MEE UNUSUAL EV REMARKS: - Sluggy - Calles - Prese	KED ON (ITEM NO DNS RECEIVED F DNS RECEIVED F DNS RECEIVED F DNS RECEIVED F DAMES & TITLES) TING COMMENT VENTS (FIRE, FL WEST PICTORIES U.A. ST-H CIES SAMPLE CON SITURE SAMPLE CON SITURE SAMPLE CON SITURE SAMPLE CON SITURE SAMPLE CON SITURE SAMPLE CON SITURE SAMPLE CON SITURE SAMPLE CON SITURE SAMPLE CON SITURE SAMPLE CON SITURE SAMPLE CON	D. DESCRIPTION ROM SOLUTIA ROM USEPA S: OOD, STORM, S: Set points S-M and S S-C 84-88	LABOR DISF	STA., FOREMAN) UTES, ETC.) ST-H-D w/ sc To the dee do	seen at 75	•
		note Nas, (o	drillrig, su	poort vehic	les, H+5 eg.	ip., samplir	у езтр.,
Y	GW S hales o	CONUM to MI)	nimies ##	impact :	to prevent important surface was	pr .	Jakr ; ppbe
		AL SPACE IS RE			INTED NAME / SIGI		9 DEC 99 EPARER / DATE

WORK FORECAST

Work Forecast for the day/week 13 DEC 99 Date: 09DEC 99
Project Name: Solutio - Sauget Area/ Project Location: fillogeas, W. of I, W. offH, Dead
Company Name: O'Brien & Gere
1. List Work Items and Locations Scheduled for Next Day/Week:
of GML
· Continue installation of stug test piezometers
· Collect grain size analysis at Site N
· Begin creek sediment sampling field activities
SUBMITED TO LASTON 01 DEZ 99 @ 1800
If ADDITONAL SPACE IS REQUIRED, Mame/Signature/Date of Preparer

If ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

SAFETY MEETING FORM

	(Downgiadi	ent alluvial aguific s	DATE OF DEC 99
CONDUCTED BY / COMPANY :	DE Havesdat	O'Brien + Gove	- UNIE OF DECIT
PROJECT NAME <u>Solutia - S</u>	auget Area /	_ PROJECT LOCATION	W. of Site I
MEATHER partly cloudy	PRECIPITA	ATION <u>None</u>	TEMPERATURE ~JS%
NUMBER OF HOURS WORKED		NUMBER OF EMPLO	YEES
1 SCHEDULED WORK: 2 REFERENCES TO APPROPR 3 HEALTH AND SAFETY ISSUE 4 SPECIFIC HEALTH AND SAFE 5 COMMENTS:	S WITH SCHEDULE	D WORK:	
1 Downgradient all	jurial agusfer s	empling	·
(2) FSP # 5.9;	HASP # 2.6	generally applica	ble - not instelling wells)
3) Potential Contact	with VOCs co	Aupel File gases .	splashing of water, electric
	level D with	air monitoring in bre	nthing zone using PID+CGI
Keep Pain + SW face	water out of	role + out of somples	tracking log; smoking in
ATTENDANCE: EMPLOYEE NAME (print)	EMPLOYEE	SIGNATURE	COMPANY
I'm lestoco	(10)		F.8/-
Randi Brover	ا دراددات	The Eventer	1/5
Than LAFT 8 FIG	125	124	MIKKEK
1 Kinter 7 forty	Muli		Schter
William E. Woight	William C	Wight	- Upc
DACEN THOMPSON	Charles .	1/min	Pie
COLD WELLENGAMO	Mali.	Milkhar	
Ned Jankins	Niwlas E	Jenkins	1) duen i ifere
SUB	ALTED TO WESTON	1 09 DEC 99 C 188	0
IF ADDITIONAL SPACE IS RE RECORD ON REVERSE		DE Havesdink /	BE Hander (SIGNATURE OF PREPARER
	- -		DEC 99
			DATE

SAFETY MEETING FORM (Piezonefer installation for slug tests)

CONDUCTED BY / COMPANY	DE Haverdunk 10'Bo	DATE DO DECOP
	Sauget Areal PROJECT	
WEATHER Dattly clouds	PRECIPITATION 100	re TEMPERATURE 1359
NUMBER OF HOURS WORKED	NUMBE	R OF EMPLOYEES
3 HEALTH AND SAFETY ISS	PRIATE SECTION OF FSP & HASP SUES WITH SCHEDULED WORK: AFETY ISSUES REQUIRING ATTEN	
1) Piezoneter installa	tion for slug testing.	
_	HASP#2.6 (generally	epplica ble)
^ -	level D w/ air maniforing in a if upgrade to level c is no	oving parts, pressurized lines, noise, co soit + anter, impacked uppor from the prestring zone using FID, RAM, 4-gas; cossary; distlar to inspect sig on
5) Drive w/ coution only	around the field a fire : se	egregak wasks; smoking in vehicles
ATTENDANCE: EMPLOYEE NAME (print)	EMPLQYEE SIGNATURE	COMPANY
20 DA FREST V	Part 1	MALERICK
Chad Ditty		11 44 66
T. C.A. 11	Chad M. Cat	Han.SS
11m (1A1/C	Chad M. S. Litt	IFAM, SE
Tim CIAIL TEM ANCH LIMBON 7 PRAM	Chad M. S. Litt	
Tom Pancer Limb - 7 Peng	MINTED TO WESTON 09 DEC 99	/fpn.s.s 03G 52/Ji2

C:SeigntOBG FormASAFLOG WPD

SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time In	Time Out
	Kimbon 7 Perco	so litia	314-674-3402		1320#
12/9/99	William E. Wight		314281-6434		1800
12-9-19	Dave Hanerdal	. 016		1700	1800
12-9-99	MAN Stein Louis	Carokia P.V.	618-337-9501	6700	1326
12. 9-41	COLIN WEILENKAND	080	442-4550	2705	1500
12 9 9 9	Men AFFERRY	MAVERICK		2010	1770.
124 199	Tan Find	01366		0705	1630
12-7-99	Nick Janking	086	845 48 88	07 20	1809
12.9-44	Tim Cipill	Harris s	618-534.3180	07:30	1300
12-9-97	Caud Dattoni			07:30	1320
7999	Dan (met	400115 105	64-744-2900	6245-	1600
01-4	Inteleses	ORG	314-280-6433	0745	0845
12-7-19	Ron M.S. Brayel	IPS	118-244.7900	08:00	1330
12/9/99	CARON Thigh on	046	502557826	700	1800
14.4.69	Ellene	RFW	314 324 5332	900	1500
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WORK FORECAST

Work Forecast for the day week: 10 DEC 99 Date: 19DEC 99
Project Name: Solution - Sanget Area/ Project Location: W. of I, S. of H
Company Name: O'Brien + Gere
1. List Work Items and Locations Scheduled for Next Day/Week:
- Continue GL/ Samp. W. of SikI
· Continue slug test piez installation
- Continue coord. of creek sed. samp.
SUBMITED TO LESTON OF DEC 99 @ 1800
DE Howards & DE De making 109 Dec 99

If ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Name/Signature/Date of Preparer

Jec 9 surgles stlection Acted to McAlow - Course c Cura The Endman Site G Croper test Soundary deliza Sauce reas picked Know ah labs

OBG continue

Here for Sung loss @ KK-1-52

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)			
	REPORT NO.	067	
PROJECT	DATE	10 December, 99	
Solutia Sauget Area l Sauget, IL	CONTRACT NO.		
CONTRACTOR	WEATHER	Sunny, Temp. 45°F	
O'Brien Gere			

CQC Inspection phases attended and instruction given:

- 1) Slug Testing: Completed installation of well ST-H-S with screen from 6 to 11 feet, also set ST-H-M with screen at 38 to 43 feet.
- 2) Downgradient Alluvial Aquifer Sampling: Collected samples from AA-I-S2(76-80) and AA-I-S3(94-98)

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.
- 2) Received a plan from Solutia to define the western boundary of Site G (See Attached)

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

Has anything developed on the work, which might lead to a change order or NO \underline{YES} finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has denied access to Solutia for any future work.

Information, instructions or actions taken not covered on QCR report or disagreement:

SAFETY: (Include any infractions of From Government personnel. Specify			instructions
1) None			
REMARKS: (Include visitors to project	ct and miscellaneous	remarks pertinent t	ro work)
REMARKS: (Include visitors to projec	ct and miscellaneous	remarks pertinent t	co work.)
REMARKS: (Include visitors to projec	ct and miscellaneous	remarks pertinent t	co work.)
REMARKS: (Include visitors to projec	ct and miscellaneous	remarks pertinent t	co work.)
REMARKS: (Include visitors to projec	ct and miscellaneous	remarks pertinent t	co work.)
REMARKS: (Include visitors to projection of the project of the pro	ct and miscellaneous :	remarks pertinent t	co work.)

Methodio Further Identify the Approximate Western Boundary of Site G Sect. 5:1 of the FSP (As Applicable)

Step 1 Review aerial photos and available data to estimate west boundaries

Mark estimated west boundary to the south of the Wiese building and
between the trailers to the West

Mark the first three potential drill locations to the south of the Wiese building and between the trailers to the West:

1st - within 5 FT. of the southwest corner of the Wiese building

2nd - half distance between the 1st marking and Route 3 to the west of the Wiese building

3rd - half distance between the 1st marking and the western fence line of site G Clear the area for utilities

Wiese coordination and logistics

Step 2 Mobilize rig capable of probing and/or drilling Construct DCON pad*

Prepare Level C equipment

Drill/probe at the 1st marked location - Sect. 5.1 will be followed in general**

- waste presence/absence confirmed through drill cuttings or stainless steel probe sampler waste presence will be documented in boring log and photographed (Sect. 5.1)
- waste presence confirmed ***
 - mobilize to the next location to the west (2nd marked potential location stated above)

 A) waste presence confirmed mobilize to the next location to the West which will be half the distance between the present location and Route 3 to the west of the Wiese building (continue west mobilizing ≥10 FT. until Route 3)
- waste absence confirmed drill to top of water table (estimated at 15 FT.)
 - mobilize to the next location to the east (3rd marked potential location stated above)
 - B) waste absence confirmed drill to top of water table (estimated at 15 FT.)
 - mobilize to the next location to the East which will be half the distance between the present location and western fence line of site G (continue east mobilizing ≥ 10 FT, until the western fence line of site G)
 - waste presence confirmed GO TO "A" ABOVE

Drill/probe until the distance between a waste absence and waste presence confirmation boring is \leq 10 FT.

Step 3 Survey the appropriate drilled/probed locations

*DCON operations and Investigative Derived Waste management will proceed as specified in the FSP (Sect. 5.1 and 9 as applicable)

** Each boring will be documented as specified in the FSP (Sect. 5.1 as applicable)

***Each boring will be filled as specified in the FSP (Sect. 5.1 as applicable)

Submitted to Wester on 1000019 @ 1630

DAILY WORK LOG

DATE 10 DEC 99

				t Area /	on none			
	•						_	727
UMBE	R OF HO	URS WOF	RKED	<u> </u>	NUMBER OF EM	PLOYEES _	7	
1. ITE	MS WOR	KED ON (I	TEM NO DE	SCRIPTION, ST	A. TO STA. FORE	MÂN)		2-2-11
			IVED FROM					
3. INS	TRUCTIO	NS RECE	IVED FROM	USEPA				
	<u>/IATIONS</u>							
		IAMES & T	ITLES)					
	JIPMENT		AMENTO					
		TING CON		STORM LABOR	DISPUTES, ETC.)			
	MARKS:	VENIS (FI	IKE, FLOOD,	STORINI, CABOR	DISPOTES, ETC.)			
<u> </u>		<u> 长红:</u>			ad ST-H-M	- (scree	ned 6-11 fbg)	and
		-H-M		38-47 FA	9)	1-6	24.55 (52)	11: 4 /
	· (4/	reped.	MA - 1 - 52	- (76-80 FT)	76-50 FT - FD	76-8	80F1-6B); C	Rested
		- 4 - 25	- / 61- 00 /-	T-EB), (94	- 18 - 1,1			
2	None							
2) 3) 9)	None							
9)	None							
3	None							
		<u> </u>		(-*//	m - + - M d · / -	W.		
3 ()		probe s	igs, I d	rill rig, su	port vehicles,	. H+5 eg	uip, sampling	yehicles,
			igs, / d	rill 17g, su,	port vehicles,	. H+5 eg	uip, sampling	rehicles,
			igs. / d	rill 179, su,	oport vehicles,	. H+5 eg	uip, sampling	yehicles,
			igs, / d w toring eq	rill rig , su,	port vehicles,	. H+5 eg	uip, sampling	yehicles,
			igs, / d	rill rig , su,	gport vehicles,	. H+5 eg	uip, sampling	yekicles,
			igs, / d v toring eq	ri//rig, su,	aport vehicles,	. H+5 eg	uip, sampling	reticles,
			igs, / d	rill rig , su,	port vehicles,	. H+5 eg	uip, sampling	yelicles,
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			z zorny ez	ED TO WES	ON 10 DEC 99	@ /700		yekicles,
	2 6e egn p	· , ma	z zorny ez	ED TO WES		@ /700		yekicks,

WORK FORECAST

Work Forecast for the dayweek: 13 N= 29 Date: 10 DEC 99
Project Name: Solutia - Souget Area Project Location: Site N. W. of Site I, S. of
Company Name: O'Brien + Gere
1. List Work Items and Locations Scheduled for Next Day/Week:
· Perform borings at Site N for slug test piezone for installation
Collect grain size analysis samples at Site N
· Continue downgradient alturial aquifer sampling W. of Site I
· More slug test drums from S. of H to Judith Ln. (Weather & conditions permitting)
SUISMITTED TO WESTON 10 DEC 99 @ 1700
D. 11 11852 161100

If ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Dave Haverdink / DE E Haverda / 10 DEC 99
Name/Signature/Date of Prepaper

SAFETY MEETING FURM (Piezonefer installation for stug tests)

CONDUCTED BY / COMPANY :_	DE Havesday /	O'Brien & Gue	DATE // /EC 99
PROJECT NAME Solutia -		PROJECT LOCATION	S. of H
WEATHER Char	•	ATION Pain wornight 01 DEC	TEMPERATURE ~40°F
NUMBER OF HOURS WORKED		_ NUMBER OF EMPLOYEE	s <u> </u>
SCHEDULED WORK: REFERENCES TO APPROP HEALTH AND SAFETY ISS SPECIFIC HEALTH AND SA COMMENTS:	UES WITH SCHEDU	LED WORK:	
1) Prezoneter installat	For For slug testin	19.	
_	•	(generally explicable)	
daily basis and	repair as hear		smy PID, RAM, 4-gas; Italier to inspect sig on
5) Drive uf contion of	wound the field of	træ: segregak work	s; smaking in reludes
ATTENDANCE:			
EMPLOYEE NAME (print)	EMPLOYEE	SIGNATURE	СОМЪЧИЛ
TONY CONT	A a		MRMSS
Copy Diesery	CIACO Est	englit .	Harry Serve
pa original	Jul. 6		My ERLT
Sint A Bealet	SOLA	Par	Carlon, P.D.
Mich Into	Willia F	White	021-
SUB	MITTED TO VESTO	ON 10 DEC 81 @ 1700	
IF ADDITIONAL SPACE IS F RECORD ON REVERS	•	DF Haverdie / September 1 Sign	SNATURE OF PREPARER
		10 DEC	
		1	DATE

SAFETY MEETING FORM (Down gradient alluvial aguific sampling)
DATE 10 DEC 99 CONDUCTED BY / COMPANY : DE Have don b / O'Bria 46014 PROJECT NAME Solution - Sauget Area / PROJECT LOCATION Wof I WEATHER <u>Clear</u> PRECIPITATION Fait OVERLIGHT OF DEC TEMPERATURE ~40% NUMBER OF HOURS WORKED _ NUMBER OF EMPLOYEES SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION OF FSP & HASP 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: 5. COMMENTS: Downgradient alluvial aguster sampling generally applicable - not instelling wells VOCs, combustible gasse, Splasting of water, slips/ tips/ falls, noise PPE is modified level D with air maintains in brenthing zone respirator on hand is upgrade to level C is necessary Secregale wastes and document appropriately on waste tracking loo; smoking support vehicles only; drive with caution around field office tips of su most relicles only: drive ATTENDANCE: EMPLOYEE NAME (print) **EMPLOYEE SIGNATURE** COMPANY 110m SURMITTED TO LISTON 16 DECRY C DE Harridak / DE Havesdins
PRINTED NAME / SIGNATURE OF PREPARER IF ADDITIONAL SPACE IS REQUIRED.

RECORD ON REVERSE SIDE

SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print) Slug testposee inst. S. of H

Date	Name	Organization	Phone #	Time In	Time Out
12-10-99	KEN AFFERTY	MAURICIC CONTR		0930	1030
12-10-99	Bare Have done	MAUERICIC CONTRE		1305	1315
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SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time In	Time Out
14/011	Combonly Penry	Soltra	314-674-34 02	0635	1418
12-10-99	Aliak Jent ins	0 <i>56</i>	314842 4550	07.00	1700
12-10-99	Dove Haveldink	0\$6	314 280 6435	0700	1730
12-10-91	Bill Wright	886	34 280 6434	0700	1630.
1210-89	Doren Thomason	OPG		0700	1700
12/16/92	Kalelery	MAKERICIC		0700	130.
a-10-41	Ca: N NOLLENKAN) OB &	842 8445	2725	1635
12/10/99	Tony Final	ORG.	•	0705	
12-10.99	والمسترين في المسترين المسترين المسترين المسترين المسترين المسترين المسترين المسترين المسترين المسترين المسترين	Calokin Police Dept	337.9505	07/5	1575
7-11-99	Dar love	Irs	615-744.7900	0730	1500
7-11-19	Ran M. Brayer	TPS	·	0734	1500
7.1190	TIA COULL	Harriss		07:43	1535
12-10-9		Hauss	1018-579-3180		1625
124097	Timicolex:	OBE	314-230-6433	(1)//1	0930
12-0.99	FIKK	prw	314. 524-5338	5 X	uoc
124048	Timitederes	<u>086</u>	314-240-6433	1530	17/6
,					

Dec 10

Completed Well cluster for site H

AA.I.SQ 76.80 AA.I.SS 94.98

Recioned a glow from Solution to defre the western bundany of Ste G Kinferty P said MCAleur already has a acqui

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)			
	REPORT NO.	068	
PROJECT	DATE	13 December, 99	
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.		
CONTRACTOR	WEATHER	Cloudy, Temp. 45°F	
O'Brien Gere			
 CQC Inspection phases attended and instruc Downgradient Alluvial Aquifer Sampling: Slug Test: Finish installation of piezo deep boring to 24 feet. Grain Size Analysis: Collect Grain Size piezometers. 	AA-I-S2(86-90) AA-I-S3(104-100 meters at Site I	8) H and mobilize to Site N advanced	
1) Alluvial Aquifer sampling is taking a l			

samples can be taken.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

YES Has anything developed on the work, which might lead to a change order or ИО finding of fact?

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites -- I (village of Sauget), H (Village of Sauget), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has declined any further access to their property

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None			
SAFETY: (Include any infractions of approved some Government personnel. Specify corrective	afety plan, action take	safety manual or inst en.)	ructions
1) None			
REMARKS: (Include visitors to project and misc	ellaneous re	emarks pertinent to wo	ork.)
			,
7.10.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7	DATE	SUPERVISOR'S	
INSPECTORS'S SIGNITURE	DAIL	INITIALS	DATE
PW	10 10 00		
Culty	12-13-99		<u> </u>

Dec 13 75	
Davigadient Aquiler Sayling AA I-S2 86-90 + 96-100 AA I S3 104-108	
Begin Well installation for Slig Tests near Site N	
	_
	_

DAILY WORK LOG

DATE /3 DEC 99

PROJECT NAME Solution - Sanget Area/ PROJECT LOCATION Soft, E. of N. W. of I WEATHER PARTLY Clouds PRECIPITATION NINE TEMPERATURE ~45°F NUMBER OF HOURS WORKED 52 NUMBER OF EMPLOYEES 7 1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN) 2. INSTRUCTIONS RECEIVED FROM SOLUTIA 3. INSTRUCTIONS RECEIVED FROM USEPA 4. DEVIATIONS 5. VISITORS (NAMES & TITLES) 6. EQUIPMENT 7. LUNCH MEETING COMMENTS: 8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.) 9. REMARKS: · Mobilized drill rig from ST-H piezometer cluster to Site N, instalkal deep borting for sample logging to 24 fbg at Site N (E. of fill eree)
· Callected AA-I-SZ-(86-90 FT), (96-100 FT); collected AA-I-S3. (104-108 FT) Coordinated fature activities Regan collecting grain size analysis samples E. of SINN Slug test piezometer locations near Sites 6 +6 were reviewed with respect to diff Tig accessibility and proximity to the sites: piezometera clusters for these sites will be moved from the previous morted locations; per K. Perry None Grain size analysis samples at Site N/ collected using hollow stempages/ split spoon methodology US. direct push / Macro Core methodology - see deviation land See a Hacked visitors 2 Geoprole rigs, I drill rig, support-vehicles, Ha-Seomp, monitoring equip, sampling equip. None None None SUBMITTED TO WESTON IS DEC 99 @ 1830 IF ADDITIONAL SPACE IS REQUIRED. RECORD ON REVERSE SIDE

DEVIATION LOG

INDIVIDUAL REQUESTING DEVIATION / CO			DATE /3 DEC 99
DEFANOdint O'Brie	in there		
IEALTH & SAFÉTY APPROVÁL REQUIRED): YES:		
PROJECT NAME Solutia - Souget Are	<u>'a/</u> F	PROJECT LOCATION	E. of SiteN
VEATHERP	RECIPITATION	NA	TEMPERATURE 1
IUMBER OF HOURS WORKED	VA N	NUMBER OF EMPLOYEES	NA
1. CONTRACT ITEM BEING WORKED ON			
 ITEM BEING DEVIATED (REF. APPROP 3. REASON FOR DEVIATION: 	SEC. OF FSP.	/HASP):	·····
4. DEVIATION OR FIELD CHANGE TO BE	IMPLEMENTE	D:	
5. EQUIPMENT: 6. DEVELOPMENTS WHICH MIGHT LEAD	TO ISSUANCE	S OF A CHANGE ORDER	OR BE THE BASIS OF A
CLAIM (EQUIPMENT; TIME; MANPOW		TO OF A GENANCE CREEK	ON BE THE BAGIO OF A
7. REMARKS:		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
D Grain size analysis sample	9 E. of 51	le N	
2) Collection method	FSP#5.15		
Collection of grain size anal	7	111	14/6 -1
Collection of grain size and person piezometer installation			
1) Callect samples using direct push + Macro tore	hallow stem	anger & & SP/17 px	non vs. the specified
- AINCE PUSA & MACIO COM			
5) Arill rig, split spean			
a Nane			
7) None			
7) / Vone			
			
SURM ITE	D TO WESTON	13 DEC99 @ 1830	
DE 4			
PRINTED NAME / SIGNATURE OF PREPAR	 RER	PRINTED NAME / SIGNAT	URE OF SOLUTIA REP / DATE
	·—·•		
		PRINTED NAME / SIGNAT	URE OF USEPA REP / DATE
IF ADDITIONAL SPACE IS REQUIRED,	•		

WORK FORECAST

Work Forecast for the day/week: 14 DEC 99 Date: 17 DEC 99
Project Name: Southin - Suget Area Project Location: Eof N. W. of 6 HL
Company Name: OBG
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue laging boring for slug tests E. of N
· Continue callecting grain size analysis samples E. of N
· Continue GW sampling W. of I; move to S3 W. of GHL (Hankins' property)
- Continue coordinating future activities
SURMITTED TO WESTON 15 DEZIG @ 1830
DE Havedonk / DE Readon / 13 DEC 99

II ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Name/Signature/Date of Preparer

SAFETY MEETING FORM (Piezonefer installation for slug tests)
+ Gran size analysis sampling DATE BLEC 89 CONDUCTED BY / COMPANY DE Haverdink O'Aries + Gere PROJECT NAME Solution - Sauget Area | PROJECT LOCATION S. S.H. Site N WEATHER Cloudy W/ fog PRECIPITATION NONE TEMPERATURE ~35°F NUMBER OF HOURS WORKED _____ NUMBER OF EMPLOYEES _____ 1. SCHEDULED WORK: 2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: 3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: COMMENTS: Piezoneter installation for slug testing; grain size analysis sampling # 5.14 5.15; HASP# 2.6 (generally explicable) Drill try hozards of overhead falling objects moving parts, pressurized lines, noise, co. toll-over; potential contect with imparted soil + water, impacted uppor from the boring, slips / trips/falls, muscle strain PPE is modified level D upair monitoring in breathing zone using PID, RAM, 4-gas; respirator on hand if upgrade to land C is necessary; distler to inspect rig on daily basis and repair as needed Drive w/ courtien around the field a fire; segregale wastes; smaking in vehicles only; minimize mud on the roads ATTENDANCE COMPANY EMPLOYEE NAME (print) EMPLOYEE SIGNATURE Tim Cra. H F. 80 158 59/-KEN WHEFERTLY MIKRICK SLIN WELLANKHMP amber y Per 25/ YIS William E. Kick looking 000 SABAITED TO WESTON 13 DEC 99 @ 1830 PRINTED NAME / SIGNATURE OF PREPARER IF ADDITIONAL SPACE IS REQUIRED. RECORD ON REVERSE SIDE 13 DEC 99

C-SampatOBG PermatsAFLOG WPD

SAFETY MEETING FORM (Downgradient alluvial aguifer sampling)
DATE 13 DEC 89 CONDUCTED BY / COMPANY: I Haver dint / O'Brien & Gare PROJECT NAME Solutia - Sauget Area / PROJECT LOCATION Wof Site I WEATHER Joney J fog PRECIPITATION MORE TEMPERATURE ~35% NUMBER OF HOURS WORKED __ NUMBER OF EMPLOYEES ___ SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION OF FSP & HASP HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION. COMMENTS: Downgradient alluvial agusfer sampling HASP # 2.6 (generally applicable - not instelling wells) Patential contact with VOCs, combustible gasss, Splashing of water, electric shock, muscle strain, slips/trips/falls, noise PPE is modified level D with air monitoring in breathing zone using PID+CGM; respirator on hand it upgrade to level C is necessary Severgale wastes and document appropriately on worse tracking log; smoking in support relicious only; drive with caution around field office & Cero Copper ATTENDANCE: EMPLOYEE NAME (print) SURMITTED TO LESTON IZAEC 49 @ 1830 IF ADDITIONAL SPACE IS REQUIRED. PRINTED NAME / SIGNATURE OF PREPARER RECORD ON REVERSE SIDE 13 DEC 29

L'STLOUIS-DIVISIONADM

SITE VISITOR LOG Solutia Inc.

Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time In	Time Out
12/13	David Heine	Capoka PD	337-4045	0800	1630
/2//3	Tin Crank	tlarriss	618-539.3/80	0800	1630
13/13	Ched Datton	Hane:ss	" "	0800	1630
12/13	Tony Finest	0136		0810	1430
12/13	John memullan	Harriss	6185393180	8:55	الاعال
l	Kinberty Permy	50/ctia	314-674-3402	0905	0915
	(11	/ /	1515	1605

SITE VISITOR LOG Solutia Inc. Sauget Area 1 (Please Print)

Monte	Name	Organization	Phone #	Time in	Time Qut
MI SILL	"Hurans Pens	Solutia	314-674-3402		1700
1.19	Dave Harordink	086	34.284-6425		1835
127	DAVE HEINE	Cahokici PP	(e18)337-4065		16
1	Mak Lawans	O'Brien & eleve	314 842 4550	מטדם	0990
	COLIN MOLL EMERAY	086	842~45SO	503	144
15.15/A	Tony Fined	036		0708	1735
73/13/11	Ran Mc Wrayer	IPS	6182447900	0710	1440
17/7/1	Ken/ sectory	AANGRIC/C		0710	1010
美尼 /元	Bill Woldh	0.66	314-260-6434	0714	0970
77097	Dan least	IPS	618.5411-7900	دعو دن	14.10
1973.99	Tim Crank	Hactiss	618-534-3180	07:45	はする時
45/11/99	Charl Dutton	Haniss		D7.44-	1638
II/Is/er	Tulculario	Oka	34-210-6433	1140	1440
12/3/19	Darren Thomasan	12/36	514-28-6692	0790	1500
12/1/19	Bill Wright	0,66	314-280-6434	1400	1255
	Nick Jenknes	066	314-842-4550		1875
for the contract	Eikk	V (()		574	1600
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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WII	LL BE ATTACHED TO OR FILED WITH THE QAR.
	REPORT NO.	069
PROJECT	DATE	14 December, 99
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.	
CONTRACTOR	WEATHER	Cloudy, Temp. 40°F
O'Brien Gere		

CQC Inspection phases attended and instruction given:

- 1) Slug Testing: Completed boring to 80 feet on ST-N-D.
- 2) Downgradient Alluvial Aquifer Sampling: Collected samples from AA-I-S3(110-114), AA-I-S1(17-21), and AA-GHL-S3(20-24)

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

1) Alluvial Aquifer sampling is taking a lot of time. The turbidity is not going below 5 NTU's as required in the FSP so purging continues for two hours at each interval before samples can be taken.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

Has anything developed on the work, which might lead to a change order or NO \underline{YES} finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has denied access to Solutia for any future work.

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

1) None

REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.)

Tim Gouger and Michael McAteer arrive on site. We visited Sites I,H,N and AA-GHL-S3. I showed them where the slug test wells were being installed in relation to the corresponding Waste Sites. We also looked at the Rogers Cartage Property to get an idea of what the issues are for continuing work there. When we returned to the office Mike asked Kimberly about the Slug Test Placement, the method for locating the western waste boundary at Site G, and why the Sediment Sampling has not started yet. Kimberly's response was fairly vague to these issues.

Mike M. and Tim G. also have a meeting scheduled with Mike Light(Solutia) to help resolve these issues.

INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	12-14-99		

DAILY WORK LOG

DATE /4 DEC 99 U. FI, Wat GHL, E. of N PROJECT NAME Solution - Sanget Area PROJECT LOCATION WEATHER party change PRECIPITATION <u>a.m. light drizele</u> TEMPERATURE ~ 40°F NUMBER OF HOURS WORKED 63.5 NUMBER OF EMPLOYEES _____ 1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN) 2. INSTRUCTIONS RECEIVED FROM SOLUTIA 3. INSTRUCTIONS RECEIVED FROM USEPA 4. DEVIATIONS 5. VISITORS (NAMES & TITLES) 6. EQUIPMENT 7. LUNCH MEETING COMMENTS: 8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.) 9. REMARKS: Collected At- I- 59-(110-114 FT) (at be rock) Coordinated for the sampling - activities None Nac None See altacked visitors las - USACE + USEPA H- Sequip, sampling equip, monitoring Support vehicles. eg.vip. Vone None None TO WESTON 14 DEC 99 @ 18 45 CUBMITTED

PRINTED NAME / SIGNATURE OF PREPARER / DATE

IF ADDITIONAL SPACE IS REQUIRED,

RECORD ON REVERSE SIDE

Sluy test prezoneter installation - Sikn

SITE VISITOR LOG Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time In	Time Out
12-14	TimTederes	036	314.2806433	0750	0900
12-14	TimTeders Paue Have dink Mike M'Heer Tim Gonger Ent Ky	006 U.S. ER4 USA CE RFG/	314.2106433	1110	1137
- N	Mike M'Ateer	U.S. ER4	312/886-4663 402 292 2514	1600	1615
,744 4	Tim Gouger	USACE	402 299 2514	1101	1115
4	Enkland	RFU		1600	1620
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SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time in	Time Out
2/14/19	فينبه ويتواله المتهاجين والمتهان المتهادات	Solita	314-674-3402	0635	18/4
114/95	CARTILIAMOS.)	A OK	50:51 154 11	2655	1845
2-14-99	MALT STEINKAMP	(Ahokia Pi)	618-352 9561	0655	口区
373.7	Week Lanking	086	314 842 4550	0700	1835
	Dave Howodink	OBG	314280 6435	0700	1845
114-4	Cain Wellerknyn	OBC	542-4550	0703	1730
-14-99	Bill Woon +	616 F	280-6431	0703	15
317	PAN LOTAL TO	MAUGACIC		0705	183
244	tany finch !	0136		0705	h454
M	TIM CIANK	Harriss		0730	7154
2/14	Chal Dott	Harrisa		0730	175
2/14	Ron Mc Brayer	T.P.S	618244 7900	0735	1545
14	Par proso-	Is 3	15x-744-7200	0.95	1545
14.11	lim levesco	036	314-280-6435	0750	duo
य		xru		0800	1750
4	Mike McAteer	1).5. EPA	312/886-4663	1534	1543
.4	Tim Gonge	USACE	407 291-3514	1515	1545
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WORK FORECAST

Work Forecast for the day week: 15 NEC 99 Date: 14 DEC 99
Project Name: Solutia - Sauget Area / Project Location: Woft W.of 614L, E. of N
Company Name: OB6
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue GW samp. W. of I (SI) and W. of GHL (53)
· Degin installing piecometers for stug tests E. of N
· Continue coordinating future activities
SUBMITTED TO WESTEN 14 DEC 99 @ 1845
DE Harring / DE Harring / 14 DEC 99

II ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

DE Have dink | DE Have In 14 DEC 99
Name Signature Date of Preparer

SAFETY MEETING FORM (Piezometer installation for slug tests)
+ Gram size analysis sampling DATE 14 DEC 11 CONDUCTED BY / COMPANY: DE Have dant O' Arien - Gove PROJECT NAME Solutia - Sauget Ateal PROJECT LOCATION E. of Site N TEMPERATURE ~35% WEATHER dad PRECIPITATION /ight druste NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES 1. SCHEDULED WORK: 2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: 3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: 4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION 5. COMMENTS Piezoneter installation for slug testing; collection of grain size analysis samples (generally explicable) Drill my hazards of overhead falling objects moving Darts. Dressurized lines, noise, co coll-over; potential contact with impacted soil + water, impacted moors from the slips / trips/falls, muscle strain PPE is modified level D whair monitoring in breating zone using PID, RAM, 4-s respirator on head if upgrade to level c is necessary; distler to inspect deily basis and repair as needed Drive w/ contin around the field a fice; segregale wasles; smaking in vehicles عرامه ATTENDANCE EMPLOYEE NAME (print) EMPLOYEE SIGNATURE COMPANY 13860 ONY FINEST SUBMITED TO WESTON 14DEC 19 0 0800 IF ADDITIONAL SPACE IS REQUIRED. RECORD ON REVERSE SIDE

14 DEC-99

SAFETY MEETING FORM (Down gradient alluvial aguific sampling)
DATE 14 DEC 99 CONDUCTED BY / COMPANY: DE Haverdink / O' Brien & Gere PROJECT NAME Solutia - Sauget Area / PROJECT LOCATION Wift W. of GHL WEATHER Cloudy PRECIPITATION Light drize k TEMPERATURE ~35% NUMBER OF HOURS WORKED ___ NUMBER OF EMPLOYEES SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION OF FSP & HASP. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: COMMENTS: Downgradient alluvial aguifer sampling HASP # 2.6 (generally applicable - not installing wells) Potential contact with VOCs, combustible gases, Splashing of water, electric shock, muscle strain, slips/ trips/ felle, noise FPE is modified level D with air monitoring in breathing zone using PID+CGM; respirator on hand if upgrade to level C is necessary Segregate wastes and document appropriately on worke tracking loo; smoking in support relicious only; drive with caution around field office + Cerro Copper TTENDANCE APLOYEE NAME (print) Nicolas E. Jentons William E. Wright SUBMITTED TO WESTON 14 DEL 99 0 0800 PRINTED NAME / SIGNATURE OF PREPARER IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

STLOUBONSONADABARISHSAFLORWTO

14 DEC 89

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)			
	REPORT NO.	070	
PROJECT	DATE	15 December, 99	
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.		
CONTRACTOR	WEATHER	Light Snow, Temp. 35°F	
O'Brien Gere			

CQC Inspection phases attended and instruction given:

- 1) Slug Testing: Installed well ST-N-D screened from 75 to 80 feet.
- 2) Downgradient Alluvial Aquifer Sampling: Collected samples from AA-I-S1(27-31), (37-41) and AA-GHL-S3(30-34), (40-44)

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) These are the last two downgradient aquifer sample locations, the process is still slow but they should finish this task early next week.
- 2) There is still no word as to when sediment sampling will begin.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) A meeting between Mike McAteer, Tim Gouger, and Mike Light discussed some of the issues on site. The point was made clear to Mike Light (Solutia) that there is concern with the placement of the slug test wells, all locations are outside of the fill areas.

(Detailed notes from the meeting are attached to this report)

Has anything developed on the work, which might lead to a change order or $\frac{\text{NO}}{\text{YES}}$ finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has denied access to Solutia for any future work.

Information, instructions or actions taken not 1) None	covered on	QCR report or disagree	ment:
SAFETY: (Include any infractions of approved s From Government personnel. Specify corrective			uctions
1) None			
REMARKS: (Include visitors to project and misc	ellaneous re	marks pertinent to wor	ok.)
		•	
INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	12-15-99		

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SAUGET TRIP REPORT December 14 thru 15, 1999

December 16, 1999

MEETING DATE: December 15, 1999, 1:30 pm PARTICIPANTS: Mike McAteer, Tim Gouger, Mike Light

ISSUES

- 1. Wiese Property Characterization. Solutia plans to characterize waste from Site G westward through the use either an auger or push technology. McAteer and Gouger shared their concerns for usage of push technology; namely, the 1" spoon used to collect the sample may well preclude recovery of waste and therefore not adequately characterize the site. We recommended they use an auger approach, with a 4" minimum diameter.
- 2. Slug Test. Gouger, Kemper, and McAteer toured the site and observed proposed locations for the slug tests, which were outside site boundaries for every site. We asked Mike Light: "How does Solutia plan to use the data?" We expressed concern that the locations will provide gross hydrogeologic estimates for consolidated media (native soil) though the source areas are filled with unconsolidated waste debris. How will Solutia address the source areas with the information?
- 3. Analysis: The Field Sampling Plan states the alluvial aquifer samples will be developed for 2 hours or until 5 NTU are reached. As some samples read greater than 5 NTU (some are several thousand NTU after 2 hrs), considerable solids are now part of the sample. How does Solutia plan to analyze the samples? Will the solids be part of the sample, will the sample be decanted before analysis, will the sample be filtered before analysis, or will Solutia run both total and dissolved analysis for some samples?
 - (After discussion with Jim Beran, Thursday December 16, 1999, he recommends identifying the higher turbidity samples, determining ranges for the samples, and performing some analyses for total and dissolved parameters within those ranges).
- 4. Sediment Sampling. McAteer asked why the creek sediment sampling has not taken place yet, though the plan was to have begun by now. Gouger pointed out the creek had been dry since commencing with the work in September, 99, now water is impounded in much of the creek sections. Getting the analyses back from the creek is critical to evaluating the transects and overall characterization. McAteer stated the public has been questioning why the environmental documentation will take so long. McAteer would like to not only see sediment sampling begin but also see schedule acceleration for documentation and subsequent work.

- 5. Transects. McAteer asked when we will see the plan for sampling developed properties along the transects? Light responded getting the information sooner may yield public relation problems (i.e. some properties may have dioxins greater than 1 ppb and therefore require removal). Light would like for the TSCA cell to be underway before releasing the information so they can do something about removals in an expeditious manner. McAteer will provide HQ US EPA Dioxin guidance to Light for more information about detection levels for dioxins.
- 6. Right of Access. Roger's Cartage has denied RoA for groundwater sampling and soil gas survey. Solutia has relocated the background groundwater sample to the nearby park and Roger's Cartage has allowed the SGS to commence.

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	OBG sparding more time	
	preparine for Sodinent Jampline Event 51 st. it is word on when they	
223	will begin	<u>j</u>
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	OBG working on AA. I.SI, AA.GHL-S.	s :
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DAILY WORK LOG

DATE 15 DEC 99

PROJECT NA	ME <u>Solutia</u> -S	auget Area 1	PROJECT LOCATI	ON WOFF W.	of6H, E. ofN
WEATHER _	cloudy & windy	PRECIPI	TATION / pole sum -no	OCCUM, TEMI	PERATURE MISSE
NUMBER OF	HOURS WORKE	54	NUMBER OF EMP	LOYEES 7	7
2. INSTRUC 3. INSTRUC 4. DEVIATIO 5. VISITORS 6. EQUIPME 7. LUNCH M 8. UNUSUAI 9. REMARKS	TIONS RECEIVED TIONS RECEIVED ONS S (NAMES & TITLE ENT MEETING COMME L EVENTS (FIRE, S):	O FROM SOLUTIA O FROM USEPA (S) NTS: FLOOD, STORM, LA	BOR DISPUTES, ETC.)		N
· C	Sketed AA-	[-5]-(27-31 FT)	(27-31 FT-193) (27 (4 FT) (30-34 FT- FD)	SIFT- MSD)	(37-41FT):
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Slug test pice. inst. E. of N

SITE VISITOR LOG Solutia Inc. Sauget Area 1

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(Please	Print)	

Date	Name	Organization	Phone #	Time in	Time Out
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12-15-99	Sof. Awdrew T. Langer # 74 Dave Haver dink	Capatis Police Dept.	314 280 6425	0941	1000
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SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #	Time in	Time Out
भाउ।२५	Leaben - Pent	Solitia	714-674-2463	0635	13/2
18:99	State Sidow Land	Capekia Police	1018 337-9505	0700	143
国首拼个	William F. Woraht	0/3 6	314280-6434	1655	1460
عادان	Darrens Thankon	UBG-	3,4-393-7692	0455	1800
13.7	COLIN WELLERKAND	OBC	842-4550	0706	1445
it is the	Koalopparo	MAUZEICK		0710	OF
3715/99	Yony privest	036		0710	163ay
	Nick lanking	006	314 843 4888	0715	1000
15-48	Love Howardisk	95 6 -	314 280 6415	0700	- I
777	Ron Mª Braves	TPS	618 244 7900	0730	1430
学	Ran Largeti	Fd's	615 24++ 1900	0730	GFS
105%	Chad Dutton	Harriss		07X)	436
115/44	to Con	Horris 2		07130	1432
45.19	Thredesin	00()	314-280-6433	0805	OYY
	5 LR	pper		0,450	1600) th
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WORK FORECAST

Work Forecast for the day week: 16 DFC 99 Date: 15/2-0 99
Project Name: Solutia - Sanget Aca/ Project Location: W.of [W.of 6HL E. of N
Company Name: OBG
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue GW sompling W. of I (51) and W. of GHL (53)
· Continue in stallation of prezonetes for sky tests E. of N
· Continue coordination of future activities
SUISMITTED TO WESTON IS DEC 89 (0 1730
DEH 1 15 Nov. 99

If ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Name/Signature/Date of Breparer

	SAFETY N	MEETING FORM A alluvial aguific sa	mpling)
CONDUCTED BY / COMPANY :	DE Haverdink	0'Arm + Gare	DATE <u>15 DEC 99</u>
PROJECT NAME Solutia - Sa	,		W. of I + W. of GHL
WEATHER cloudy - windy	PRECIPITA	TION /jet+ saocs a.m	TEMPERATURE -40°F
NUMBER OF HOURS WORKED _		NUMBER OF EMPLOYE	EES
1 SCHEDULED WORK: 2 REFERENCES TO APPROPRI. 3 HEALTH AND SAFETY ISSUES 4 SPECIFIC HEALTH AND SAFE 5 COMMENTS:	WITH SCHEDULED TY ISSUES REQUIR	O WORK: RING ATTENTION:	
(1) Down gradient allu		<u> </u>	
(<u>2</u>) FSP # 5,9 ;	HASP # 2,6	(generally applicable	le - not instelling wells)
3) Potential contact shock, muscle	with VOCs, con	mbustible gases, Sp ips/ Filt, noise, cold	plashing of water, electric
(4) FFE is modified 1 sespinator on hand is	evel D with a upgrade to la	it monitoring in breading C is necessary	thing zone using PID+CGM;
ATTENDANCE:			
EMPLOYEE NAME (print)	EMPLOYEE S	IGNATURE	COMPANY
14mon o Pero	- Illian	Torre	Salitra
Fron AFFERDY	100	Garage V	MAUREICK
William F. Whicht	Al Bire	The state of	000
LICK JENKINS	Thick Ger	Skill	DBE
Suc	MITED TO LIESTON	V 15DEC99 C 6810	
IF ADDITIONAL SPACE IS RECORD ON REVERSES		DE Havedink / DE PRINTED NAME I	SIGNATURE OF PREPARER

SAFETY MEETING FORM

		DE Havesdin	•		
		Sauget Acea	Pi	ROJECT LOCATION	
EATHER 💪	budy & windy	PREC	IPITATION	light sure a.m.	TEMPERATURE ~ 40°
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	ED WORK:				
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		SAFETY ISSUES R			
COMMEN	TS:				
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beri	ra slias	trips/falls	Muscle =	strain, cold weather	To Hears
Poc	3 , ,			•	· ·
PPE	3 modified	level D w/ air	monitoring	in breathing zone	usmy PIP, RAM, 4-ges; distler to inspect sig on
daill	. 605 m nead	repair as no	ceded	13 Accessary	alster to inspect rig on
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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.		
	REPORT NO.	071	
PROJECT	DATE	16 December, 99	
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.		
CONTRACTOR	WEATHER	Clear, Temp. 35°F	
O'Brien Gere			

CQC Inspection phases attended and instruction given:

- 1) Slug Testing: Installed well ST-N-D screened from 75 to 80 feet.
- 2) Downgradient Alluvial Aquifer Sampling: Collected samples from AA-I-S1(47-51), (57-61) and AA-GHL-S3(50-54), (60-64)

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) These are the last two downgradient aquifer sample locations, the process is still slow but they should finish this task early next week.
- 2) There is still no word as to when sediment sampling will begin.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

Has anything developed on the work, which might lead to a change order or NO YES finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held on 12-15-99 with Mike Light regarding this issue and others from this project. See QAR # 70 Dec. 15th, 1999.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has allowed Solutia to perform the soil gas survey on their property but the background water sampling will be done elsewhere, this is agreeable to all parties including USEPA and USACE.

Information, instructions or actions taken not	covered on	QCR report or disagree	ment:	
1) None				
SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.) 1) None				
REMARKS: (Include visitors to project and misc	the handlin	ng and splitting of the	e ecological	
samples. He is also looking into options for effective for so few samples.	an arternate	e rab, which may be mor	e cost	
INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE	
	12-16-99			

Dec 11

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DAILY WORK LOG

DATE 16 DEC 99

PROJ	ECT NAME	Solutia -	Sauget Areal	PROJECT LOCATION	Woff, Wot GHL ENORN
WEAT	THER PAR	the cloudy	PRECIPI	TATION <u>None</u>	TEMPERATURE ~384
NUME	BER OF HOU	RS WORKED	56	NUMBER OF EMPLOY	ÆES # 6
				N, STA. TO STA., FOREMAN)	
			FROM SOLUTIA		
	EVIATIONS	42 KECEIVED	FROM USEPA		· · · · · · · · · · · · · · · · · · ·
		MES & TITLES	SI		
	QUIPMENT	co a mile	91		
		ING COMMEN	ITS:		•
				BOR DISPUTES, ETC.)	
9. R	REMARKS:				
0	· Insta	lled stug to	st prezometers	ST-N-M (screened	@ 37-42 ftg) and
		N-5 (Se	reened @ 6-11	(45 C/55) (57-6/65)	- 16 1-1
	0//29	ted Sample	s AA - 1 - 3/ - (47-51FT) (57-61FT);	COLRIGED SIMPRS
	· Move	1 dry 25 5	on student as	er inst. S of Site A	to Judith La steing area
	7		A Dieg /Al /		70 July 19 19 19 19 19 19 19 19 19 19 19 19 19
2	Nane				
<u>5</u>	None		-		
9	None				
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<u> 32_</u>	a difect	ad wisiter	/09		
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(5		ON REVERSE	•		SNATURE OF PREPARER / DATE

RECORD ON REVERSE SIDE

-WORK FORECAST

W.of6HZ

Work Forecast for the day/week: 17 DEC 99 Date: 16 DEC 99
Project Name: States - Sanget Acq Project Location: Eof I, E. of N. W. of I
Company Name: O'Airen + Gere
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue DGAA sampling W. of Size I am (SI) and W. of GHL (SD)
· Demob drill rig from Site N
· Mob. drill sig to slug test location E. of Size I
· Move stag test drums from SiteN to Judith Ln. Staging
Continue coordinating future extrities
SURMITTED TO LIESTON 16 DEC99 @ 1800
If ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE TE Havedink De Property Name/Signature/Date of Property

WORKSPORTERST -

Work Forecast for the day/week: 20 DEC 99 Date: 16 DEC 99
Project Name: Solution Sanget Aca Project Location: West, West, East I, Soil ges Hausects An NE Stor H + E. of I
Company Name: O' Bren + Gere
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue DGAA sampling Whof I (SI) and W. of GHL (SZ)
· Continue installing slug test prezometers E. of Site I
Perform Soil gas survey (MIP) NE + SE of Sik H and E. of Site T
· Begin creek sed. samp. field activities
Note: No field activities are planted on Dec. 23+24 of this week.
SURMITTED TO LIESTON @ 16 DEC 89 C (800
DEHardin / DE Zen / KDEC99

RECORD ON REVERSE SIDE

SAFETY MEETING FORM (Piezonefer installation for slug tests)

CONDUCTED BY / COMPANY :	Dr. Hung dick	D'Rose + Corre	DATE 161EC 99
PROJECT NAME Solution		PROJECT LOCATION	F. of N. pasibly E. of I
	•	_	•
NEATHER <u>Partly cloudy</u>	PRECIPITA	TION <u>hone</u>	TEMPERATURE ~30%
NUMBER OF HOURS WORKED		NUMBER OF EMPLOYE	ES
1. SCHEDULED WORK:			
 REFERENCES TO APPROP HEALTH AND SAFETY ISS 			
4 SPECIFIC HEALTH AND SA			
5. COMMENTS:			
(1) Piezoneter installa	tion for slug testin	9	
(2) FSP # 5.14		(generally explicable)	
(3) Drill my hezards	of overhead falling	objects moving parts.	pressurized lines, noise, co, impacked impas from the
baring slins/	to contact with	imparted soil 't water	impacked uppos from the
~ , ,	• •	•	
4) PPE is modified	erel D w/ air mon	itoring in breating zone	usmy PID, RAM, 4-gas; distlar to inspect sig on
deily besis and	if upgrade to lan	of is necessary;	distler to inspect rig on
	•		
5) Drive w/ contion	around the field at	Fice: segregal was	ks; smaking in reludes
anly			
ATTENDANCE			
EMPLOYEE NAME (print)	EMPLOYEE	SIGNATURE	COMPANY
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Butil 12 7/7	Kelli		Solatia
But May	- Fight	AFERY	2004 kg
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IF ADDITIONAL SPACE IS	REQUIRED.	DE Haverdink	DE Howald
RECORD ON REVERS	•	PRINTED NAME /	SIGNATURE OF PREPARER
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e di de le alle alle	Section (Section)	16 250	DATE

SAFETY MEETING FORM (Down gradient alluvial aguifer sampling)
DATE 16 DEC 99 CONDUCTED BY / COMPANY: DE Haverding / O'Brien + Gere PROJECT NAME Solutia - Sauget Area / PROJECT LOCATION Wef I, W. of GHL WEATHER PATHY Cloudy PRECIPITATION NOR TEMPERATURE ~30°F NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES ____ 1 SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: COMMENTS: Down gradient alluvial aguster sampling HASP # 2.6 (generally applicable - not instelling wells, with VOCs, combustible gases, strain, slips/ tros/ falls noise. Segregate wastes and document appropriately on waste tracking log; smoking in support relicious only; drive with caution around field office **ATTENDANCE** COMPANY SUBMITED TO LESTON 16 DEC 19 @ 0930 DE Havesdink IF ADDITIONAL SPACE IS REQUIRED. RECORD ON REVERSE SIDE PRINTED NAME / SIGNATURE OF PREPARER

SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print) Slug test piez. inst. E. of SiteN

Date	Name	Organization	Phone #	Time In	Time Out
12.16	Dave Haverdink	036	JY 286 64IT	1035	1038
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SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print)

Sal.	. Name	Organization	Phone #	Time in"	Time Ot
100000	Kinberly Perry	Solitia	314-674-3402	0635-1	
W.	Dave Harodink	086	314 Z80 6435 W	00554	18-50-
. 小月	William E. Whish	456	314-2817-6434	06.544	18-30
THE.	e In in Three	5 3.	314383×92	0654	4X17.02
11/20	Tera Mobbe	Cahollio Polic Dent	114337-4065	0700	一面で
W. Tallan	JOHN FINCH	07262		Orchell	No service
	Ken allun	MANTERICK		0.715	
	TIMTEDESCO	086	314-290-6433	0715	1710
THE L	DAN LOCATIT	TPS	418-2442 900	0720	1645.10
11/4	Mand Milianer	713	1,46 1744-790	0250	1645 34
1211	Tim Crank	Harriss		07:30	1501
12:11	(Had Dutton	Maniss		6230 ·	1210
13016	Nick Jentins	086	3148424550	1305	1830
2	Mike McAleer	US EPA	312 886 4663	1430	15104
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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.		
	REPORT NO.	072	
PROJECT	DATE	17 December, 99	
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.		
CONTRACTOR	WEATHER	Clear, Temp. 50°F	
O'Brien Gere			

CQC Inspection phases attended and instruction given:

- 1) **Slug Testing:** Finished slug test wells for Site N and mobilized to location East of Site I
- 2) **Downgradient Alluvial Aquifer Sampling:** Collected samples from AA-I-S1(67-71) and AA-GHL-S3(70-74), (80-84)
- 3) Soil Gas Survey: Marked areas in the field for locations East of Site I and North of Site H

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) These are the last two downgradient aquifer sample locations, the process is still slow but they should finish this task early next week.
- 2) There is still no word as to when sediment sampling will begin.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

Has anything developed on the work, which might lead to a change order or $\frac{NO}{E}$ finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

- 1) Extending beyond the site boundaries for soil gas survey poses access issues with several sites --I (village of Sauget), H (Village of Sauget, Rogers Cartage), G (Queeny Rd. & Cerro Copper). OBG will get what they can and Solutia will work on getting access from the appropriate parties.
- 2) Rogers Cartage has allowed Solutia to perform the soil gas survey on their property but the background water sampling will be done elsewhere, this is agreeable to all parties including USEPA and USACE.

Information, instructions or actions taken not 1) None	covered on	QCR report or disagree	ement:
SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.) 1) None			
REMARKS: (Include visitors to project and miscellaneous remarks pertinent to work.) Michael McAteer stopped by before heading to Chicago. He was curious if the sediment sampling was starting yet. OBG thought it would be next week.			
INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	12-17-99		

SK/Din ने व - oblicact with 1000+ 1/10's to and the Hickory

DAILY WORK LOG

DATE /7 DEC 89

PROJECT NAME Solution Sauget Area/ PROJECT LOCATION E.OF I. W. of I WEATHER partly cloud PRECIPITATION NONE TEMPERATURE ~ 50 F NUMBER OF HOURS WORKED 54 NUMBER OF EMPLOYEES 7 1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN) 2. INSTRUCTIONS RECEIVED FROM SOLUTIA 3 INSTRUCTIONS RECEIVED FROM USEPA 4 DEVIATIONS 5. VISITORS (NAMES & TITLES) 5. EQUIPMENT 7. LUNCH MEETING COMMENTS 8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.) 9. REMARKS: boring for geologic logging at slug test piezometer /scatton E. of I mobilized drilling from Site N to F. of I Staked soil gas transact locations in the field E. of It NE of H. an offected AA-I-SI-(67-74 FT), (67-74 FT); AA-GHL-SI-(70-74 FT), 80-84 FT) Moved drums from slug test piez, inst. at SikN to Judith Ln. staging area Pern reviewed soil gas from sect locations & approved them None None visitors loa / Geodrobe rig: / drill mig: / boom truck; support welles: Hts someting None None Noise SUBMITTED TO WESTON ITDEC 29 P 1750 DETHANGUINE / SIGNATURE OF PREPARER / DATE IF ADDITIONAL SPACE IS REQUIRED.

RECORD ON REVERSE SIDE

SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print)

Time In Time	Organization		Name	Date
402 0642 121		50/01/20	Lembert - Pens 7	13/17/91
434 06501161		0.61.	Dave Havedunk	III THAT
75 0700 H		OR	Dave Horvedunk	12:17
1550 0700 1700		006	Nick Jertins	12:17-59
0700 15		03 6	TONY Finest	12/17/94
0700 133			Kan LOCATIONY	四何り
cz 0>05/1/9		082	DARFY Thomason	10/15/FC
790 0720 1550		If's	RUINSBraves	13/7/29
0720 1500		-TV'5	Dan brustt	12/17/29
0731 153		HBM16	TimCop	BINAT
0730 153		Homiss	Chad Julian	12/0/99
33 (1)50 (300		086	TINICULX	11.7/ 95
50 1125 1700		OK.C.	COLW JOLLEMANP	13217-19
1400 141		U.S. E1	M.k. McHteer	12-17-99
400 167		BEW	Ext Knings	11071759
1,217				
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WORK FORECAST

Work Forecast for the day week: 20 DEC 99 Date: 17 DEC 99
Project Name: Solutia - Sauget Area/ Project Location: Est. Websect, NE + SE of
Company Name: OBG
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue DGAA sampling W. of I (SI) and W. of 6HL (53)
- Perform soil gas survey E. of I and NE+SE of H
· Continue slug test piec. installation E. of I
TEHavodink/DEHavodm / 17DEC 29

II ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Name/Signature/Date of Preparer

SAFETY MEETING FORM
(Piezoneter installation for slay tests)

CONDUCTED BY / COMPANY :	DE Howardah!)'Brien + Gere	DATE / FUEC 17
PROJECT NAME Solution - Se	,	PROJECT LOCATION	E. of I. E. of N
WEATHER PATHY Cloudy	•	TION MALE	TEMPERATURE ~40°F
NUMBER OF HOURS WORKED		NUMBER OF EMPLOY	EES
SCHEDULED WORK: REFERENCES TO APPROPE HEALTH AND SAFETY ISSU SPECIFIC HEALTH AND SAFETY ISSU COMMENTS:	ES WITH SCHEDULE ETY ISSUES REQUIF	ED WORK: RING ATTENTION:	
(1) Prezoneter installation	on for slag testing	; more drums from slu	ytests LatN to Judith LA.
(2) FSP# 5.14	HAS P # 2.6	(generally applicable)	
boring, slips / to	ips/falls , mus	cle strain	pressurized lines, paise, co er, impacked uppars from the usmy fip, RAM, 4-gas; distilar to inspect rig on drung - make sure list one hight
5) Drive uf coution as	round the field a f	te : segregak wa	sks; smaking in reludes
ATTENDANCE EMPLOYEE NAME (print)	EMPLOYEE S	IGNATURE	COMPANY .
Tim Scant	76.5		MANISS
rea LAFFERTU-		A state of the sta	MALACK
Kunter > Par	file		Salater
TONY FILLS	7 10	100	036
PAR GERSCLU	De la	guily	HARRIS DRYING
JC+! CANUT!	- April (JONE	HMMS Vrilling
50,	3 MITTED TO LIESTO	N 17DEC99 @ 16	<i>∞</i>
IF ADDITIONAL SPACE IS RECORD ON REVERSE		DEH avs dink / PRINTED NAME I	SIGNATURE OF PREPARER

SAFETY MEETING FORM (Down gradient alluvial aguifer sampling)
DATE 17 DEC 99 CONDUCTED BY / COMPANY: DE Howerdink / O'Brien + Gere PROJECT NAME Solutia - Sauget Area ! W. of I. W. of 641 PROJECT LOCATION WEATHER partly cloudy TEMPERATURE -40% PRECIPITATION NONE NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES SCHEDULED WORK REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: COMMENTS: Drungradient alluvial aguster sampling generally applicable - not installing VOCs, combustible gases, Splashing of slips / Hrps/ felts, noise upgrade to ATTENDANCE: COMPANY Mian E Wa

SUBMITTED TO WESTON 17 DECRY @ 1600

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

PRINTED NAME / SIGNATURE OF PREPARER

- 170K-99

DATE

12/20/99

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Kinsty Ferry

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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)			
	REPORT NO.	073	
PROJECT	DATE	20 December, 99	
Solutia Sauget Area 1 Jauget, IL	CONTRACT NO.		
CONTRACTOR	WEATHER	Cloudy, Temp. 30°F	
O'Brien Gere			

CQC Inspection phases attended and instruction given:

- 1: Slug Testing: No work today, Drilling contractor called in sick.
- Downgradient Alluvial Aquifer Sampling: Collected samples from AA-I-S1(77-81) and AA-GHL-S3(90-94),(100-104)
- Soil Gas Survey: Survey conducted for the locations East of Site I and North of Site H. Soil Gas Survey task is complete but there two locations that were not surveyed due to physical barriers. These areas are: North of Site G due to Queeny Ave. and Cerro Copper, and West of Site I because of the Synthetic liner installed during previous site remediation.

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) These are the last two downgradient aquifer sample locations, the process is still slow but they should finish this task early next week.
- 2) There is still no word as to when sediment sampling will begin.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1: None

Has anything developed on the work, which might lead to a change order or NO YES finding of fact?

Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light on 12-15-99 discussing this issue, see QAR # 70.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

1) Rogers Cartage has allowed Solutia to perform the soil gas survey on their property but the background water sampling will be done elsewhere, this is agreeable to all parties including USEPA and USACE.

Information, instructions or actions taken	not covered of	n QCR report or disa	greement:
1 None			
SAFETY: (Include any infractions of approv From Government personnel. Specify correct			nstructions
1) None			
REMARKS: (Include visitors to project and	miscellaneous	remarks pertinent to	work.)
			
INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
ENZ	12-20-99		

DAILY WORK LOG

DATE 20 DEC 99 PROJECT NAME Solutio - Sauget Area | PROJECT LOCATION Vicit, Work 644, transects WEATHER partly cloudy PRECIPITATION none TEMPERATURE -30% NUMBER OF HOURS WORKED 32 NUMBER OF EMPLOYEES ____ 1. ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN) 2. INSTRUCTIONS RECEIVED FROM SOLUTIA 3. INSTRUCTIONS RECEIVED FROM USEPA 4. DEVIATIONS 5. VISITORS (NAMES & TITLES) 6. EQUIPMENT 7. LUNCH MEETING COMMENTS: 8. UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.) 9. REMARKS: gas sampling using MIP on soil gas transects Ext I (3 pts), NE of A Soil gas transect locations SE of H (on Royers (or tags) approved Mono None Sex visitors los 2 Georgie rigo For GW samp; / Geoprobe rig for soil gas / MIF
equip, H+ Seguip, monitoring region; support inchicles Harriss not distling due to illness of crew member SUBMITTEN TO INSTAN ZODEC 99 C 1800 IF ADDITIONAL SPACE IS REQUIRED. **RECORD ON REVERSE SIDE**

WORKE ORDEAST

Work Forecast for the day/week: 21 DEC 99 Date: 20 DEC 99
Project Name: Solutio - Sougot Area! Project Location: WfT, V. of 6HL, E. of I
Company Name: ORG
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue DGAA sampling Wof I (SI) and Wof 6HZ(SI)
· Continue interference of larging of bosing E. of I for installation of slug test piezo meters
· Continue coold of future octivities
SUBMITED TO LES TON 20 DEC9 & C 1800
DE Handing DE Hood / Zobe Caj
II ADDITONAL SPACE IS REQUIRED, Name/Signature/Date of Preparer RECORD ON REVERSE SIDE

SAFETY MEETING FORM (Sail Gas Super)

CONDUCTED BY / COMPANY :	DEHano dirk	O'Bores + Gete	DATE <u>20 DEC 99</u>
PROJECT NAME Solution - S	•	PROJECT LOCATION	transents Ent I - NE + SE of H
WEATHER cloudy + windy	•	TION None	TEMPERATURE ~30°F
NUMBER OF HOURS WORKED		NUMBER OF EMPLOYE	ES
SCHEDULED WORK: REFERENCES TO APPROPR HEALTH AND SAFETY ISSU SPECIFIC HEALTH AND SAFETY ISSU COMMENTS	ES WITH SCHEDULE	D WORK:	
D Soil gas survey using	MIP For total &	VOCs	
3) Slips / fores / falls ; r impacted air ; p	muscle strain; 100 per tiest	rise : electric shock which impacted soil from	· Abtential inhalation of
9 PPE or level D w/ ch		·	
5 Dive with can ten at		·	
ATTENDANCE:			
EMPLOYEE NAME (print)	EMPLOYEE S	IGNATURE	COMPANY
Kimber Pers	(ich)		Solita
LOHH CREEKET			IPS
Timo evesco		7	0/36
Karlotte White	11.45	4.4+	MAURICIE
- Contract E Toria Cit	musey M	· ·	
56	3 MITTED TO JESTON	120 Dec 59 @ 1800)
IF ADDITIONAL SPACE IS RECORD ON REVERSE		DE Havesdink / L PRINTED NAME / S	Saw-for- GIGNATURE OF PREPARER
en en en en en en en en en en en en en e		20 Dec	9 9 DATE
No. 1. The second secon			UNIC

SAFETY MEETING FORM (Down gradient alluvial aguifer sampling)
DATE 10 DEC 99 CONDUCTED BY I COMPANY: DE Haverdink / O'Since I Gere PROJECT NAME Solution - Sauget Area / PROJECT LOCATION Wist W. of GHL WEATHER Cloudy & windy PRECIPITATION None TEMPERATURE ~30'F NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: COMMENTS: Drungradient alluvial agusfer sampling (generally applicable - not instelling wells) Potential contact with VOCs, combustible gases, splashing of water, electric shock, muscle strain, slips/trips/fells, naise, cold PPE is modified level D with air monitoring in breathing zone using respirator on hand if upgrade to level C is necessary Segregate wastes and document appropriately on waste tracking log; smoking in ATTENDANCE: MPLOYEE NAME (print) 71e~ en AGGERTY SUBMITTED TO IN EVION ZU DEC 91 C 1800 IF ADDITIONAL SPACE IS REQUIRED. RECORD ON REVERSE SIDE

SITE VISITOR LOG

Solutia inc. Sauget Area 1 (Please Print)

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Name	Organization	() 大學問題 (別) (1	Phone #	Time in	ittin.
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Bill Wrigh L	086		4-78-14X	17.01	A Control
MITTEDESCO		3	1-7K-6438	SILON	14.00
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les Cont	J265		1201-14-1816		
Ken H Brager	193		بزر: ا	MONIE.	A MARIA SIN
John VICE	713	0	A 1/:	5718	A POP AND INCOME.
Bresy Bon	D&C	3,	14 383 7687	07/5	
MIG Full	KFW			915	37
Pave Hadrerdin L	056	<i></i>	14 280 6435	1750	190
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DAILY WORK LOG

DATE 21 DEC 99

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						D, STO	RM, LAB	OR DI	SPUTE	S, ETC.)						
9.	REMARI	KS:														
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PREPARATORY INSPECTION MEETING (A) (A)

Conducted by/Company: JF Havesdo	of O'Brie	+Gere	Date: 21 DE 17
Project Name: Surya - Sauget	frea /	Task: <u>Sed</u>	liment sampling-industryspe
1. Scheduled Work:	see belou		
2. Equipment, Procedures, Personnel:	11 "		······································
3) Ref. To App. Sec. of FSP/HASP:	FSP # 5,20	2 /- 3	/ HASP # 2.9
4. Issues that could arise and how to resolve			ANSF Z.
5. Solutia comments:	see bel		
6. EPA comments:	ti ti		
· Sediment sampling for industry at Dead Creek and in Borro	ry-specific	constituent	5 in undereloped + developed
· Collect 50 sed. samples			
sub-segment; and obtained		•	
(does not apply to CS-F down st		· ·	
· Collect 47 sed. samples in			: - evenly spaced within each
sub-segment; obtained within			
· Collect 8 sed. samples in			
~ event spaces at 400' inter			-
· Perform sed. depth measurem		enel at ?	Incotrons at each interior
interval; sample collected			_
to color change used to			,
at each sampling station;			
- Borrow Pit Lake sampling collect	24 410Ag ap	Wor, Carre	1/FE 01 (-FE
ATTENDANCE:			
EMPLOYEE NAME (print) E	MPLOYEE SIC	NATURE	COMPANY
Eil Kanel	Cll		RFW
Ku beat - Person	Vielen	11	Salitia
Ken I Aller	12011		MARALICIE
1 Jan Lan F Go 7 7	any to		. 1,1010/12
CC: K. Perry 21 DEC 19	,		
E. Kenger C1440			
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IF ADDITONAL SPACE IS REQUIRE RECORD ON REVERSE SIDE			ME/ SIGNATURE OF PREPARER



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	h	aders, b	poet, lad	des as	needed fo	acces.	sample	locations
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Person					urveying -			
see p				——————————————————————————————————————	,			
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Issues :	کــــــــــــ	Rd. depth	less than	12" -	Collect A	ddittonal	volume to	existing depth + read
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	APC .		/ .					
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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.							
	REPORT NO.	074						
PROJECT	DATE	21 December, 99						
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.							
CONTRACTOR	WEATHER	Cloudy, Temp. 20°F						
O'Brien Gere								
CQC Inspection phases attended and instruc 1) Slug Testing: Reached 80 feet for deep 2 2) Downgradient Alluvial Aquifer Sampling: and AA-GHL-S3 (110-114). This task is 3) Sediment Sampling: Conducted Preparator	boring at Site I Collected sampi complete.	les from AA-I-S1 (87-91), (97-101)						
Results of QA inspections and tests, deficaction of contractor. Include comment pertain. The last two downgradient aquifer samples Sediment sampling will begin after the	aining to contra e locations have	actors CQC activities. e been completed						
Verbal instruction given to contractor: (In 1) None	nclude names, re	eactions and remarks)						
Has anything developed on the work, which might lead to a change order or NO YES finding of fact? 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSF section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light on 12-15-99 discussing this issue, see QAR # 70.								
Information on progress of work, causes fo material, etc. 1) None	r delays and ex	tent of delays, weather, plant,						

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.) 1) None				
		· · · · · · · · · · · · · · · · · · ·		
REMARKS: (Include visitors to project and	d miscellaneous	remarks pertinent to	work.)	
INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE	
Coll-	12-21-99			

WORK FORECAST

Work Forecast for the day week: 22 DFC 99 Date: 21 DFC 99
Project Name: Solutia - Sauget Apen / Project Location: E.of I. Celdok.
Company Name: OBG
1. List Work Items and Locations Scheduled for Next Day/Week:
- Continue stuy test piez. mst. E. of I
. More slug test drums from E. Of I to Judi7h La.
· Prepare for future activities
CC: 1C Perry : ZI DEZ9 9
E. Kempy C 1930
DEHamsdink/DEHama /ZIDECAS

II ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Name/Signature/Date of Freparer

WORKEORECAST

Work Forecast for the day/week: 27 D-C99 Date: 21 DEC99
Project Name: Solutia - Sauget Area Project Location: Dend Creek, Enof I, wellst per
Company Name: OBC
1. List Work Items and Locations Scheduled for Next Day/Week:
- Collect GW elev. data from existing wells + prezometers for 4th 9 ts 1999
· Continue slug test prez. inst. E. of I
· Begin to greek sediment field activities
_
Note: no field activities are planned on 27 DEC and on SI DEC
CC: K. Peiry 21 DEC99 E. Kemper P 1930
DE Haverdink/DEHaved /21 DET 99

If Additional space is required, RECORD ON REVERSE SIDE

Name/Signature/Date of Preparer

SAFETY MEETING FORM

	Down gradient alluvial age	War samples 21 DEC 89
	LE Haverdink / /) Litrent were	
PROJECT NAME <u>Solutia - S</u>	ruget Area / PROJECT LO	CATION WOFI & W. of GHC
WEATHER <u>Clear</u>	PRECIPITATION hove	TEMPERATURE ~/5%
NUMBER OF HOURS WORKED _	NUMBER OF	EMPLOYEES
SCHEDULED WORK: REFERENCES TO APPROPRI	ATE SECTION OF ESD & HASD	
3. HEALTH AND SAFETY ISSUE	S WITH SCHEDULED WORK:	
4. SPECIFIC HEALTH AND SAFE 5. COMMENTS:	TY ISSUES REQUIRING ATTENTION:	
1 Downgradient all	wial agusfer sampling	
<u> </u>		applicable - not installing welle)
3) Potential Contact	With VOCs, combustible gase Strain slips/ trips/ F. Wr. Noi.	s, splashing of water, electric
		in breathing zone using PID+CG scary; take periodic warm-up breaks
	• •	wask tracking log : smoking in around field office & Ceno Court
ATTENDANCE: EMPLOYEE NAME (print)	EMPLOYEE SIGNATURE	COMPANY
BUR MESSIVE	Par 421 - 126121 -	
Ken GAFFIERTY	Cur, Ho	MMKAICK
Turbon 12 ray	Cultyllia	Selatia
Nick tenting	field Jukory	036
DAREN THOMPSON	Cher Myson	
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	SUBMITTED TO WESIGN 21 DEC	11 (0800
	0-4	/ 0=2:
IF ADDITIONAL SPACE IS RE RECORD ON REVERSE S		NAME / SIGNATURE OF PREPARER
		2100019
		DATE

SAEER YMEETING FORM TO SAIL FORM

CONDUCTED BY / COMPANY : DE Havedink /	O'Brien Gere DATE DECTY
PROJECT NAME Solution - Sauget Area!	PROJECT LOCATION E. of Site I
WEATHER <u>cloudy + windy</u> PRECIPITAT	ION none TEMPERATURE ~30°F
NUMBER OF HOURS WORKED	NUMBER OF EMPLOYEES
1. SCHEDULED WORK: 2. REFERENCES TO APPROPRIATE SECTION OF FS 3. HEALTH AND SAFETY ISSUES WITH SCHEDULE 4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIR 5. COMMENTS:	D WORK:
1) Piezameter installation for slag testing	•
(2) FSP# 5.14 HASP# 2.6	generally egolicable)
(4) PPE is modified level D w/ oir monit	objects moving parts, pressurized lines, noise, compacted soil 4 water, impacted impos from the le strain, cold strong in breating zone using PID, RAM, 4-gas; c) is necessary; distlar to inspect sig on
	ce ; segregek wasks ; smaking in whides
aaly	
ATTENDANCE: EMPLOYEE NAME (print) EMPLOYEE SI	GNATURE COMPANY
Tim Ciank	Harrist
سلارات بالمراجع المراجع	Vitt Haniss
Ken GAFFELEY	MAVERICE
William F. Wright In Whin	Effight 850
SUBMITED TO WESTON	2105.68 (2080)
IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE	DE Hourdat DE Zhore La PRINTED NAME / SIGNATURE OF PREPARER

SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print)

itata	Name	Organization	Phone #	Time in	Time Ou
11/49	Rundon - Person	20/07-12	314-6777710	2638	1455
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	Bul Worldt	19/26-	34-2806434	18652×	1830
	Nick lankins	000	34547 456 T	700	四日日
7.7	PARENTADOGO	ے عرب	3143527625	07	1857
May 1	Ker baller	MANAGILIC		のコースの	斯斯克
11.10	R. J. M. Brayer	715	GIS THERE	672	Mil ite
	Pan Luigott	Tis	615 2/14 m	0724	1600
161	TIB CANK	17016155		07:28	1645
	Chad D. Han	1-1323.33		6723	1645
が出	TIMICUCKS	UB	(11-250-643>	0730	0125
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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.			
	REPORT NO.	075		
PROJECT	DATE	22 December, 99		
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.			
CONTRACTOR	WEATHER	Cloudy, Temp. 20°F		
O'Brien Gere				
CQC Inspection phases attended and instruction. 1) Slug Testing: Installed deep Piezometer. 2) Downgradient Alluvial Aquifer Sampling: 3) Sediment Sampling: Prepared materials for	at Site I locat	omplete.		
Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities. 1) The last two downgradient aquifer sample locations have been completed 2) Sediment sampling will begin after the Christmas Holiday.				
Verbal instruction given to contractor: (Include names, reactions and remarks)				
1) None				
Has anything developed on the work, which might lead to a change order or NO YES finding of fact? 1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70. Information on progress of work, causes for delays and extent of delays, weather, plant,				
Information on progress of work, causes for material, etc.	r delays and ext	tent of delays, weather, plant,		
1) None				

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)				
1) None				
REMARKS: (Include visitors to project and misc	cellaneous r	emarks pertinent to wor	rk.)	
INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE	
	12-22-99			

Dec 22

Working at Site I pieronder

No work until Dec 28th

a de la companya de l

DAILY WORK LOG

DATE 22 Dec 99 utiz-Sourt Acez PROJECT LOCATION East I, Judith Lane TEMPERATURE 35% NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN) INSTRUCTIONS RECEIVED FROM SOLUTIA INSTRUCTIONS RECEIVED FROM USEPA **DEVIATIONS** 5. VISITORS (NAMES & TITLES) EQUIPMENT LUNCH MEETING COMMENTS: UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.) REMARKS nun nome none insert uchiller rentel none IF ADDITIONAL SPACE IS REQUIRED.

PRINTED NAME / SIGNATURE OF PREPARER / DATE

RECORD ON REVERSE SIDE

SITE VISITOR LOG Solution inc. Sauget Alva 1

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Hed to Weston	22 Dec 919	0 0800
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Chyal M.	<u> </u>	Harriss Harriss
EMPLOYEE SIG	NATURE	COMPANY
efait as needed		
		usmy PID, RAM 4-ges; distler to inspect rig on
of overhead felling of contact with im	bjects moving forts, parted soil 4 water	impacked upon from the
	generally applicable)	
IES WITH SCHEDULED	WORK:	
	NUMBER OF EMPLOYER	
PRECIPITATIO	ON NONE	TEMPERATURE20
erget Accal	PROJECT LOCATION	E. of Site I
Imlevesco/O	Brienthere	DATE DO DEC 99
	PRECIPITATION PRECIP	PRECIPITATION DON'S PRECIPITATION DON'S NUMBER OF EMPLOYER NUMBER OF EMPLOYER REATE SECTION OF FSP & HASP: DES WITH SCHEDULED WORK ETY ISSUES REQUIRING ATTENTION: On For Slag testing. HAS P #2.6 (generally explicable) Of contract with impacted soil + water Con

E . 72 8 10

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WORKSFORECAST

Work Forecast for the day week: 200ec 99 Date: 200cc 99	
Project Name: State Scatter 1 Project Location: Both	
Company Name: OBG	
1. List Work Items and Locations Scheduled for Next Day/Week:	
- Continue sty test picconeter institution & o' I	
- Begin Yely nonturing for 4699	
- Proper to stat Crest Samuel Samuel	
- Prepar by film retryities	
Dusmithato Wester on 2200, 440 1430	
Tintedesco Tty LL / 220c	, 9
New State of Bases of	-

II ADDITONAL SPACE IS REQUIRED,

INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.		
	REPORT NO.	076	
PROJECT	DATE	28 December, 99	
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.		
CONTRACTOR	WEATHER	Cloudy, Temp. 40°F	
O'Brien Gere			

CQC Inspection phases attended and instruction given:

- 1) Slug Testing: Installed medium(screened at 40.5-45.5 fbg) and shallow(screened at 10-15 fbg) Piezometer for Site I location
- 2) Downgradient Alluvial Aquifer Sampling: This task is complete.
- 3) Sediment Sampling: Prepared materials for work to begin.
- 4) OBG collected ground water elevations from Piezometers and existing wells.

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) The last two downgradient aquifer sample locations have been completed
- 2) Sediment sampling will begin after the Christmas Holiday.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

Has anything developed on the work, which might lead to a change order or NO $\underline{\text{YES}}$ finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

1) None

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of appr From Government personnel. Specify corr			nstructions
1) None			
REMARKS: (Include visitors to project an	d miscellaneous	remarks pertinent to	work.)
INSPECTORS'S SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE
	12-28-99		
-			

De 28

greconeters shallow tests

DAILY WORK LOG

DATE 28 DEC 99

WEATHER partly c	Soud-	PRECIPI	ITATION	100	_ TEMPERATURE	~40°F
•					_	<u></u>
NUMBER OF HOURS WO	RKED	40	NUI	MBER OF EMPLOYEE	s <u>4</u>	
1. ITEMS WORKED ON			N, STA. TO	STA., FOREMAN)		
2. INSTRUCTIONS RECE						
3. INSTRUCTIONS RECE	EIVED FROM	USEPA				
4. DEVIATIONS 5. VISITORS (NAMES &	TITLES\					
6. EQUIPMENT	IIILES)					
7. LUNCH MEETING CO	MMENTS:	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
8. UNUSUAL EVENTS (F		STORM L	ABOR DISP	UTES, ETC.)		
9. REMARKS:						
(1) - Completed is	astallation	of 37-1	<u>- 2 2 - 2 2 2 2 2 - 2 -</u>	seemed at 10-15 fe	ting wells	4 \$
(3 creeed es	<u> 40.5 - 9</u>	5.5 Fag	<u> FOT</u>	tor S/49 Peszi	Lha : 10 1/e	
· CA/BCI CO	SW CHEV.	4019 +	ton pies	OMERIA THE EXIST	ng west	
D Callet GW alex.	date at	9 002- 6	chestets.	end the existing	wells which were	- manifore
D Callest 64 elw. lest quarter	(is. a	ot at slu	test pies	ometers or leach	ate well per t	Am
					· / · · ·	
1) None		•				
W None						
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None Soe attacks	(Withou	109				
5) See attacked		-	45 es m	e. Moni torine see	ν'à ·	
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Soe attacked		-	45 eg w	o., Mani taring ego	ν γ .	
Soe attacked Avill 113,		-	4-5 eg w	., Meni toring egu	v/a ·	
Soe attacked Avill 113,		-	45 eg m	., Moni toring eq.	ν' ρ ·	
Soe attacked Avill 113,		-	4-5 eg w	e., Monitoring ego	ν β .	
Soe attacked Avill 113,		-	4-5 eg w	., Moni toring eg a	v'p ·	
Soe attacked Avill 113,		-	45 eg w	., Moni toring eq.	ν' λ ·	
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Soe attacked Avill rig, None None		-			w'p.	
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Soe attacked Avill rig, None None		-	28 25 69			
Soe attacked Avill rig, None None		-	28 25 69			
Soe attacked Avill rig, None None		-	28 25 69			
Soe attacked Avill rig, None None		-	28 25 69			

WORKFORECAST

rk Forecast for the day week: 29	DEC 99 Date: 18 DEC 79
ject Name: Solutia - Sauget A	Project Location: E of f. entire talks, Cree.
mpany Name: OBG	
List Work Items and Locations Sched	duled for Next Day/Week:
· Move druns from	slug test piez. ihst. E. of I to
Judith La Staging	area '
. Perform field layou	ut of creek sed. Sempling stations
(45-F)	at of creek sed. Sampling stations
_	
	
V 2.	24 Dec 94
ce: K. Herry E. Kenner	28 DEC 99 © 1800

II ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE PE Haverdink DE How Soul 28 DEC 91
Name Signature Date of Pytoparer

SAFETY MEETING FORM

(Piezonefer installation for slug tests)

DATE 28 DEC 99 CONDUCTED BY I COMPANY: DE Have din't / O'Brien + Gere PROJECT NAME Solution Sauget Area | PROJECT LOCATION F. of STUT WEATHER <u>partly cloudy</u> PRECIPITATION <u>Now</u> TEMPERATURE ~20% NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES _____ 1. SCHEDULED WORK: 2. REFERENCES TO APPROPRIATE SECTION OF FSP & HASP: 3. HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK: 4. SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION: 5. COMMENTS: Prezoneter installation for slag testing. generally explicable Drill my hazards of overhead falling objects moving parts, pressurized lines, noise, co. roll-over; potential context with imparted soil + water, impacted uppor from the slips / trips/ falls, muscle PPE is modified level D whair monitoring in breaking zone usmy respirator on head if upgrade to land a is necessary; distler to inspect daily basis and repair as needed ATTENDANCE MPLOYEE NAME (print) COMPANY IN DECES 0 1630 DF Havodink IF ADDITIONAL SPACE IS REQUIRED. RECORD ON REVERSE SIDE

COS PURILLE VID

DATE

28 DEC99

CONDUCTED BY / COMPANY : DE Haver	10 / O'Role Gere	DATE
PROJECT NAME Solutia - Souget Area		existing wells opiezomete
	ECIPITATION <u>nove</u>	TEMPERATURE ~20:6
NUMBER OF HOURS WORKED	NUMBER OF EMPLOYE	EES
SCHEDULED WORK: REFERENCES TO APPROPRIATE SECTION HEALTH AND SAFETY ISSUES WITH SO SPECIFIC HEALTH AND SAFETY ISSUES COMMENTS:	CHEDULED WORK:	
Deter level readings at exi	2.5	
3) Potential respiration of VOCs minimal potential exposure to	in packed water	pares, slips/trips/Galls,
4) PPE is material level D with at well head w/ PiD + 4- gos	th splash appois + chemical	I resis to at gloves; ar remit
5 Smorting in relactes only; segreg		rand field office
ATTENDANCE: EMPLOYEE NAME (print) EMPL COLOR THOMPSON DALENY LINE	LOYEE SIGNATURE LING STORY LING THORPOOR	COMPANY So (ATRA OBS G
CL: K. Perry E. Kenper	28DEC 95 @ 1650	
IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE	DE Haves dink / SP PRINTED NAME L	SIGNATURE OF PREPARER

SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print)

a Dete	Name	Organization	Phone #		Time Out
114	9 Kimbert 7 Prcis	Solitia	317-614-3402		1500
DEA.	Daen Tons	رے <u>ب</u> رون) کرد (3/4 4/3 7652	4,55	/Ros
2 17-55	MINE N LYSTER WATER) かん	813-4/55,5	305	1733
19/49	MIS Man Eldast-	0.51-	314-250-6931	07110	800
15.50	DONE HOWARDINA	0\$6	1747 80 6485	U-501	1800
13,12)	TIM CANK	HACTIST		77:22	1830
/1 29	Shid Dellow	Heniss		67:23	
1917/	Bul schulled	LOWING	2711.16.00	0145	10:00
2+27	P. Bostoc	(1)		7.45	10:00
	F. lek	REWIST		9.cm	4120
12+18	B. SCHUFFEL	LUURT	274-1600	1:50	2:30
7421	R. REITEL	11		1:50	2:30 瓣
2.22	N. Venkins	or G	314842 4550	1635	1715
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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.		
	REPORT NO.	077	
PROJECT	DATE	29 December, 99	
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.		
CONTRACTOR	WEATHER	Sunny, Temp. 55°F	
O'Brien Gere			
	<u> </u>		

CQC Inspection phases attended and instruction given:

- 1) Slug Testing: No work today.
- 2) Downgradient Alluvial Aquifer Sampling: This task is complete.
- 3; Sediment Sampling: Marking sampling locations at Creek Segment F.

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) The last two downgradient aquifer sample locations have been completed
- 2) Sediment sampling will begin after the Christmas Holiday.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

Has anything developed on the work, which might lead to a change order or NO YES finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSP section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

1) None

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)

			o work)
MARKS: (Include visitors to project a	nd miscellaneous :	remarks bertinent to	J WOLK.)
MARKS: (Include visitors to project a	nd miscellaneous	remarks pertinent to	S WOIK.,
MARKS: (Include visitors to project a	nd miscellaneous	remarks pertinent to	J WOLK.,
MARKS: (Include visitors to project and inspectors's Signiture	DATE	SUPERVISOR'S INITIALS	DATE

Dec 29

OBG marking sample boations for Sed Sampling No Other Work Today

DAILY WORK LOG

DATE 29 DEC 99

PROJECT NAME Solution : Souget Area !	PROJECT LOCATION Creek sector F ; E. of I
WEATHER PRECIPITAT	CON NOME TEMPERATURE ~55%
NUMBER OF HOURS WORKED 49	NUMBER OF EMPLOYEES
ITEMS WORKED ON (ITEM NO., DESCRIPTION ST INSTRUCTIONS RECEIVED FROM SOLUTIA INSTRUCTIONS RECEIVED FROM USEPA	A. TO STA., FOREMAN!
4 DEVIATIONS 5. VISITORS (NAMES & TITLES) 6. EQUIPMENT	
7 LUNCH MEETING COMMENTS: 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR 9 REMARKS:	R DISPUTES, ETC)
are a	piezometer Met. E. of I to Judith La. Steging
Stated sediment sampling locate (2) K. Perry approved the number of sea	1. samples in Creek sector F + general locations
3 Nove	
(4) None (3) Sae visitors loe	
	um dolly, H+S volvetos equip., States equip.
(7) None	
8 None	
(2) None	
CC: K. Perry 29 E. Kemper O	DEC 99 1730
IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE	PRINTED NAME / SIGNATURE OF PREPARER / DATE

WORK FORECAST-

Work Forecast for the day week: 30 Dec. 99 Date: 29 Dec 99
Project Name: Solutie-Sauget Aron / Project Location: Ocek Sector F
Company Name: O'Brien & Gere
1. List Work Items and Locations Scheduled for Next Day/Week:
· Begin sediment depth measurements in creek sector F. · Continue laying out sediment sampling sites in creek sector b
CC: K. Perry 29 Dec 99
E. Kemper Q 1730
Thiolas E. Senfins 29 Dec 47.

II ADDITONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

Name/Signature/Date of Preparer

WORK FORECAST

Work Forecast for the day week: 3 Jan 00 Date: 29 Dec 99
Project Name: Solutia-Sunget Area / Project Location: Dead Creek, W. O.
Company Name: O'lhrien & Gere
1. List Work Items and Locations Scheduled for Next Day/Week:
· Continue creek sediment sampling activities · Continue stug tiel piegemeter installation W. of site G.
CC: K. Percy 29 Dec 99 E. Kemper Q 1730
If ADDITONAL SPACE IS REQUIRED. RECORD ON REVERSE SIDE Aucolog & Journal - 29 Doc. 99 Name/Signature/Date of Preparer

SAFETY MEETING FORM (Sediment Sampling) + slugtest drum marenet DATE 29 DEC 11 CONDUCTED BY / COMPANY: DE Haverdink O'Brien + Gere PROJECT NAME Solutio - Sauget Area/ PROJECT LOCATION CALL Segmen + F. E. of I WEATHER Clear PRECIPITATION __none_ TEMPERATURE ~25°F NUMBER OF HOURS WORKED NUMBER OF EMPLOYEES 1 SCHEDULED WORK: 2 REFERENCES TO APPROPRIATE SECTION OF FSP & HASP 3 HEALTH AND SAFETY ISSUES WITH SCHEDULED WORK 4 SPECIFIC HEALTH AND SAFETY ISSUES REQUIRING ATTENTION 5 COMMENTS drum movement from E. of I to Judita LA. FSP # 5.20 4ASP # 2.9 Polential contact with impacted sediment + water; breathing of impacted vepois: slips / trips / fells into water or down the bank; muscle strain potential splanning of water from losse- top draws with rubber books or waders (depending on creek conditions) and trucks or aprens during sampling, chemical resistant gloves, air monitoring in breathing zone using the PID. The yests in water over 2 ft. deep level & PPE for drum movement; check drum tops before many; chem, resistant gloves Sugregate waster, gross equip- decon before leaving creek, drive with courting in the area, smoking in support rehides only ATTENDANCE EMPLOYEE NAME (print) EMPLOYEE SIGNATURE COMPANY 50/11/16A COLIN WELLENKAMIO 036 Vick Jen Kins 1905 89 C : C1750 DE Haverdork/DE Han IF ADDITIONAL SPACE IS REQUIRED. PRINTED NAME / SIGNATURE OF PREPARER RECORD ON REVERSE SIDE

DATE

SITE VISITOR LOG

Solutia Inc. Sauget Area 1 (Please Print)

Date	Name	Organization	Phone #		Time Out
12/29 99	Himbory Per 7	Solita	314-674-3402	0638	1730
12.29	Dave Hayersink	ODC	314 -280 645	0650	021
12-29	Nick tenkins	O'BARK & GORE	314 847 4550	0708	1730
12/2 9	Open Thompson	USC-	314 3537652	0)00	1730
12 - :29-99	COLIN WELLCHEAMY	085. 086. 036	3143537652 (42-4550 280-69361	רי סלים	1730 1730
12/27/99	William Elections	2,36	280-6934	URS	1230
12.29	Name Himbord & Peri 7 Dave Howeldink Nick Tending Open Thompson (a) in believe my 10 billiam Elifoulit erw	RFW		0850	45:20
					
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INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - MILITARY (ER 415-1-302)	THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR.		
	REPORT NO.	078	
PROJECT	DATE	30 December, 99	
Solutia Sauget Area 1 Sauget, IL	CONTRACT NO.		
CONTRACTOR	WEATHER	Cloudy, Temp. 50°F	
O'Brien Gere			

CQC Inspection phases attended and instruction given:

- 1) Slug Testing: No work today.
- 2) Downgradient Alluvial Aquifer Sampling: This task is complete.
- 3) Sediment Sampling: Performing sediment depth measurements at cross sections for Creek Segment F by driving a 2 inch diameter clear tube 3 to 4 feet deep into the ground them marking the color changes for the different layers. No samples are being collected at this time they are only recording the sediment depths.

Results of QA inspections and tests, deficiencies observed, actions taken and corrective action of contractor. Include comment pertaining to contractors CQC activities.

- 1) The last two downgradient aquifer sample locations have been completed
- 2) Sediment sampling will begin after the Christmas Holiday.

Verbal instruction given to contractor: (Include names, reactions and remarks)

1) None

Has anything developed on the work, which might lead to a change order or NO \underline{YES} finding of fact?

1) Piezometers for the Slug Tests are being installed outside the fill areas, the FSF section 5.14 indicates they will be installed at the fill areas. This issue has been brought to the attention of Tim Gouger(USACE) and Michael McAteer(USEPA). Erik Kemper (Weston) also noted the Question during the Preparatory Inspection Meeting on 12-6-99. A meeting was held with Mike Light discussing this issue on 12-15-99, see QAR # 70.

Information on progress of work, causes for delays and extent of delays, weather, plant, material, etc.

1) None

Information, instructions or actions taken not covered on QCR report or disagreement:

1) None

SAFETY: (Include any infractions of approved safety plan, safety manual or instructions From Government personnel. Specify corrective action taken.)					
1) None					
REMARKS: (Include visitors to project and	miscellaneous	remarks pertinent to	work.)		
INSPECTORS' SIGNITURE	DATE	SUPERVISOR'S INITIALS	DATE		
	12-30-99				
					

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Dec 30	85
Sodium Dept taken using tube pushed: recorded the color change	h Mascrevents be in a 1.5" or 2" plastic
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DAILY WORK LOG

DATE 30 DEC 79 PROJECT NAME South - Souget Area / PROJECT LOCATION WEATHER Cloudy PRECIPITATION NOR TEMPERATURE ~48°F NUMBER OF HOURS WORKED 27.5 NUMBER OF EMPLOYEES 5 1 ITEMS WORKED ON (ITEM NO., DESCRIPTION, STA. TO STA., FOREMAN) 2 INSTRUCTIONS RECEIVED FROM SOLUTIA 3 INSTRUCTIONS RECEIVED FROM USEPA 4 DEVIATIONS VISITORS (NAMES & TITLES) 6. EQUIPMENT 7 LUNCH MEETING COMMENTS: 8 UNUSUAL EVENTS (FIRE, FLOOD, STORM, LABOR DISPUTES, ETC.) 9 REMARKS: · Performed sed. measurements in creek segment F and staked sampling beations None None See attached visitors by H+S equip. menitoring equip. staking + sed, death equip. Support vehicles. None None None 30 DEC 89 E. Kenper

IF ADDITIONAL SPACE IS REQUIRED, RECORD ON REVERSE SIDE

PRINTED NAME / SIGNATURE OF PREPARER / DATE

BRECAST

Work Forecast for the day/week:	lan 3 00 Date: 12/30/99
Project Name: Solutio - Souget	Area Project Location: Wol G. CS-F
Company Name: O'BRIEN & Ger	·e
1. List Work Items and Locations S	-
· Centinue performing sedi-	meter installation N of G.
	· · · · · · · · · · · · · · · · · · ·
Note: no field work plan	uned on 12/31/99
	CC: K Perry F. Kemper
	12-30-99 (4 1230
	Aliabus & Bubins / 12/20/00
II ADDITONAL SPACE IS REQUIRED,	Molus & Bukins 12/30/99 Name/Signature/Date of Preparer

SALE YMEETING FORM

	E Havesdork O'Bres + Gave	DATE 30 JEC 11
PROJECT NAME Solution - Sa	project Locat	ION Creek seprent F. toman 119,
NEATHER <u>cloudy</u>	PRECIPITATION NONE	TEMPERATURE -40%
NUMBER OF HOURS WORKED	NUMBER OF EMP	LOYEES
1. SCHEDULED WORK:		
2. REFERENCES TO APPROPRIA		
3 HEALTH AND SAFETY ISSUE 4 SPECIFIC HEALTH AND SAFET	S WITH SCHEDULED WORK: TY ISSUES REQUIRING ATTENTION:	
5. COMMENTS:		
D Soliment sampling	- staking and sed depth m	e as we mant
D FSP \$ 5.20	MASP # 2.9	
D Polential contact w	ith impacted sediment + water	: breathing of impacted
Napois; Slips / tri	ith impected sediment + water or down	n the bank; Muscle strain
		······································
4) PPE is fevel D with	subser books or waders (dependenting sampling, chemical seeks) the PID, life wests in-water	dung an creek conditions) and
ty weks or appears d	esting sampling, chemical resist	tent gloves, air monitoring in
breathing zone using	the PID. The wests in Water	over 2 ft. day
—		
		k drive with coution in the
		t, drive with coution in the
•	ss equip- decon before leaving cree. port relides confi	k, drive with coution in the
Sagregate wastes, goo area, smoking in sup		k, drive with couting in the
Segregate wastes, gooding in supering according to supering the supering th		L, drive with courties in the
ATTENDANCE EMPLOYEE NAME (print)	es esuilo- decon before leaving cree post relides confi	
ATTENDANCE EMPLOYEE NAME (print)	es esuilo- decon before leaving cree post relides confi	COMPANY
ATTENDANCE EMPLOYEE NAME (print) CHIN WELLANDAN WILLANDAN William E. Wright	es esuilo- decon before leaving cree post relides confi	COMPANY OBG
ATTENDANCE EMPLOYEE NAME (print) WILL NICH Thompson William E. Wright Kinbed - Perm	es esuilo- decon before leaving cree post relides confi	COMPANY OBG OBG Solitia
ATTENDANCE EMPLOYEE NAME (print) CHIN WELLANDAN UNENTHOMPSON William E. Wright	es esuilo- decon before leaving cree post relides confi	COMPANY OBG
Sagregate vastes, greates, gre	es esuilo- decon before leaving cree post relides confi	COMPANY OBG OBG Solitia
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Segregate wastes, goe alea, stocking in sup ATTENDANCE EMPLOYEE NAME (print) Still Welch NYA) William E. Wright Kindes E. Jankins Micoles E. Jankins	EMPLOYEE SIGNATURE 1 Sola Ofellibri Gran The Street Michael Grann	COMPANY OBG OBG Solitia
Sagregate vastes, greates, gre	EMPLOYEE SIGNATURE For this conf. EMPLOYEE SIGNATURE For This Conf. EMPLOYEE SIGNATURE For This Conf. Michael Conf. K. Perry 30 AEC 99	COMPANY OBG OBG Solitia
Segregate vastes, goe alea, stocking in sup ATTENDANCE EMPLOYEE NAME (print) CHIN WOLLLNIAN VIRENTHAMPSON William E. Wright Kiabed & Perry Mucales E. Jankins	EMPLOYEE SIGNATURE 1 Sola Ofellibri Gran The Street Michael Grann	COMPANY OBG OBG Solitia
Segregate vastes, goe alea, stocking in sup ATTENDANCE EMPLOYEE NAME (print) CHIN WOLLLNIAN VIRENTHOMPSON William E. Wright Kingles E. Jankins Mucales E. Jankins	EMPLOYEE SIGNATURE For this conf. EMPLOYEE SIGNATURE For This Conf. EMPLOYEE SIGNATURE For This Conf. Michael Conf. K. Perry 30 AEC 99	COMPANY OBG OBG Solitia
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